

CORRUGATED HDPE PIPE

TECHNICAL DATA SHEET



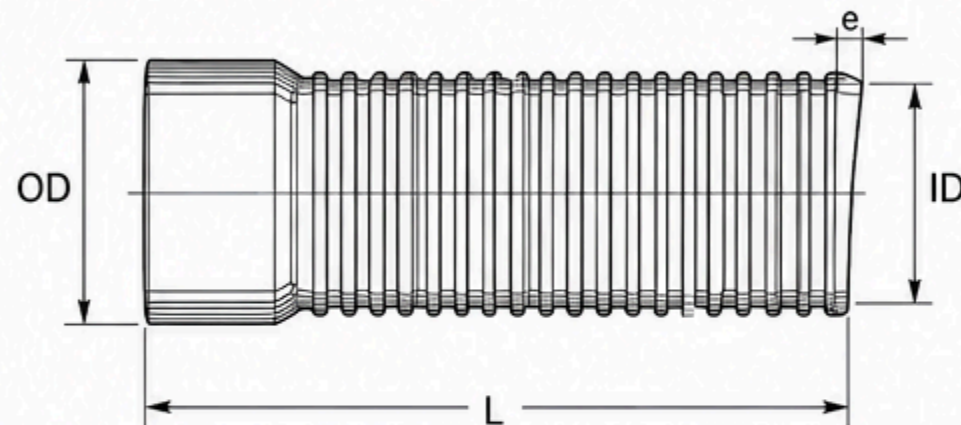
DURABLE



RELIABLE



LONG LIFE



OD = Outside Diameter
 ID = Inside Diameter
 L = Length (20 ft / 6m)
 e = Wall Thickness
 SN = Ring Stiffness

SPECIFICATIONS

SIZE (mm)	INNER SIZE (mm) (ID)	OUTSIDE DIAMETER (OD)	LENGTH	SN4 (P)	SN8 (P)	SN16 (P)
150 mm	167	6"	20 ft / 6m	4,150	4,773	5,395
200 mm	217	8"	20 ft / 6m	4,550	5,233	5,915
250 mm	247	10"	20 ft / 6m	4,992	5,741	6,490
300 mm	297	12"	20 ft / 6m	5,825	6,659	7,573
400 mm	396	16"	20 ft / 6m	8,544	9,826	11,107
500 mm	495	20"	20 ft / 6m	11,948	13,740	15,532
600 mm	594	24"	20 ft / 6m	16,148	18,570	20,992
700 mm	693	28"	20 ft / 6m	21,890	25,174	28,457
800 mm	792	32"	20 ft / 6m	27,720	31,878	36,036
900 mm	891	36"	20 ft / 6m	34,650	39,848	45,045
1000 mm	990	40"	20 ft / 6m	52,966	60,911	68,856
1200 mm	1188	48"	20 ft / 6m	77,670	89,321	100,971
1300 mm	1287	52"	20 ft / 6m	90,900	104,535	118,170
1400 mm	1386	56"	20 ft / 6m	102,600	117,990	133,380
1500 mm	1485	60"	20 ft / 6m	117,450	135,068	152,685
1600 mm	1584	64"	20 ft / 6m	132,750	152,663	172,575
1800 mm	1782	72"	20 ft / 6m	162,900	187,335	211,770
2000 mm	1980	80"	20 ft / 6m	205,200	235,980	266,760

TECHNICAL PROPERTIES

Material	High Density Polyethylene (HDPE)
Density	≥ 0.94 g/cm ³
Ring Stiffness	SN4 / SN8 / SN16
Impact Resistance	High (No Cracking)
Chemical Resistance	Excellent
Temperature Range	-40°C to +60°C
Service Life	≥ 50 Years

MECHANICAL PERFORMANCE

Ring Stiffness Test	ISO 9969
Flexibility	No Cracking at 30% Deformation
Flattening Test	No Rupture
Joint Tightness	Leak-proof
Creep Ratio	≤ 4

JOINTING METHOD

- Rubber Ring Joint (Push-fit)
 - Electrofusion (Optional)
 - Butt Fusion (For Special Fittings)
- Sealing:
- 100% Watertight
 - Prevents Soil Intrusion



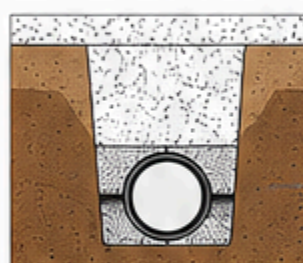
APPLICATIONS

- Stormwater Drainage
- Sewer Systems
- Road & Highway Drainage
- Cable Protection
- Agricultural Irrigation
- Industrial Wastewater

ADVANTAGES

- ✓ Lightweight – Easy Transport & Installation
- ✓ High Ring Stiffness – Load Resistant
- ✓ Corrosion Resistant
- ✓ Smooth Inner Wall – High Flow Efficiency
- ✓ Long Lifespan – 50+ Years
- ✓ Low Maintenance Cost

INSTALLATION NOTES



- Bedding: Sand or Gravel Base (100 – 150 mm)
- Proper Alignment Required
- Backfilling in Layers
- Avoid Sharp Objects during Installation



STANDARDS

- ✓ ISO 4427
- ✓ EN 13476
- ✓ ASTM F2306
- ✓ GB/T 19472

