

# BROOKPLAST

uPVC WELL CASING & SCREEN PIPES



## Introduction

Bin Brook Plastic Industries produces uPVC Well casing and screen pipes in accordance with DIN 4925 (part 1, 2 & 3). The standard range is for shallow and medium well depths and heavy duty is for greater well depths. In addition to this, BBPI produces extra thick wall pipes to our work standard for the wells with very high depths.

The pipes are produced from 100% virgin, blue coloured uPVC compound specially formulated to withstand high collapse pressure experienced in the bottom of wells. The general properties of uPVC pipes are given below.

Property	Unit	Value
Specific Gravity	-----	1.43
Compressive Strength	kgf/cm <sup>2</sup>	670
Hardness Rockwell R	Degree	110 – 120
Tensile Strength	kgf/cm <sup>2</sup>	450 – 600
Elongation	%	80- 150
Vicat Softening Point	°C	82
Thermal Conductivity	Kcal/m/h°C	0.13
Coefficient of Linear Expansion	mm/m/h °C	0.08
Specific Heat	cal/°C/g	0.2 – 0.3
Izod Impact Strength	kg – cm/cm <sup>2</sup>	5 -7
Flammability	Self – extinguishing	

## Quality Assurance

Bin Brook Plastic Industries operate a quality assurance system in accordance with ISO 9001:2015 and has been successfully assessed in this respect. The standards cover all aspects of product manufacture and inspection. Our recognition by BVQI as a firm of assessed capability to ISO 9001 is your assurance that our products are manufactured to uncompromising quality standards.



From the receipt of bulk resin to the final stages of production, we maintain a rigorous quality control program. Using the advanced procedures, equipments and test softwares both on-line QC checks and in-lab are conducted. Company's in-house laboratory is one of the best in the region and is equipped with most modern computerized testing apparatus.

# Pipe Dimensions

## **1. Standard Range**

(As per DIN 4925)

Nominal Diameter (inch)	Nominal Diameter (mm)	Outside Diameter (mm)	Wall thickness (mm)
4	100	113	5.0
5	125	140	6.5
6	150	165	7.5
8	200	225	10.0
10	250	280	12.5
12	300	330	14.5
14	350	400	17.5

## **2. Heavy Duty Range**

(As per DIN 4925)

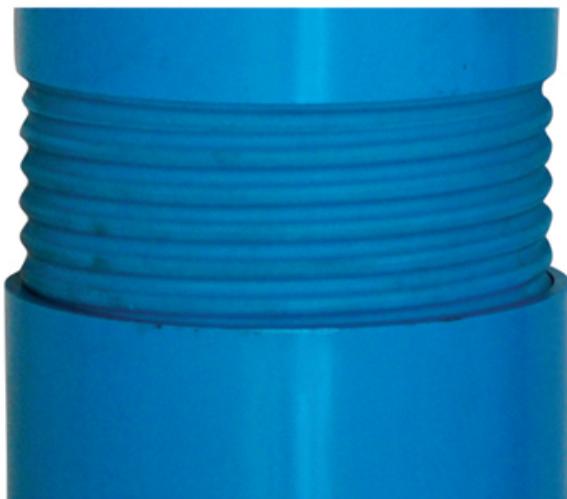
Nominal Diameter (inch)	Nominal Diameter (mm)	Outside Diameter (mm)	Wall thickness (mm)
4	100	113	7.0
5	125	140	8.0
6	150	165	9.5
8	200	225	13.0
10	250	280	16.0
12	300	330	19.0
14	350	400	21.5

## **3. Extra Heavy Duty Range**

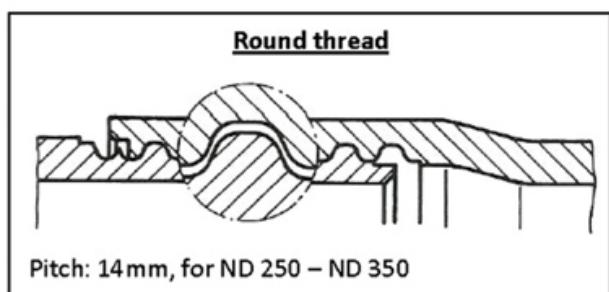
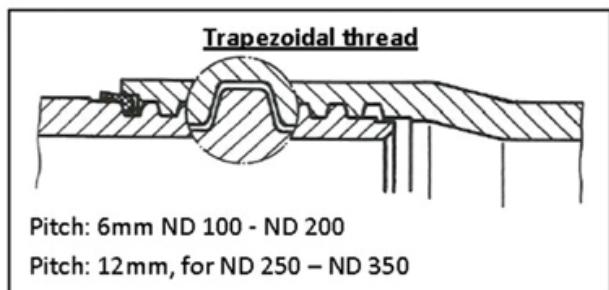
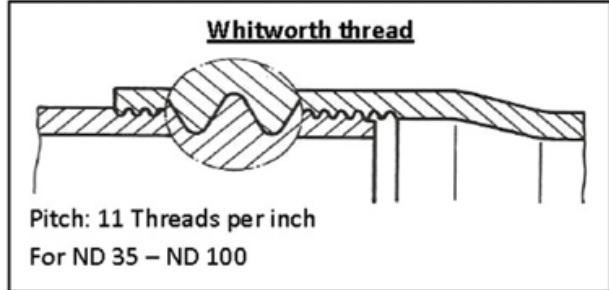
(As per the work standard)

Nominal Diameter (inch)	Nominal Diameter (mm)	Outside Diameter (mm)	Wall thickness (mm)
4	100	113	8.2
5	125	140	10.4
6	150	165	12.0
8	200	225	16.7
10	250	280	18.5
12	300	330	21.5
14	350	400	24.0

## Thread Connection



Brookplast well casing and screen pipes are supplied with integral threaded joints. These high tensile threaded joints are capable of taking high suspended loads of pipe assembly.



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