



Water Well Casing is used for a variety of drilling applications, including percussion and rotary follow-on works.

It is typically referred to as BS 879. Whilst this standard was officially withdrawn in August 2017, the dimensions are still referenced in EN ISO 22475-1.

It is manufactured from thick-walled, heavy-duty, high-quality cold drawn steel with male and female flush-joints and is installed to depth using casing shoes and pull back head adaptors.

## Applications

- Made in the UK
- Geotechnical investigation
- Environmental investigation
- Geothermal
- Water wells
- Overburden drilling to rock head

## Features

- 4" (114.3mm) to 12" (323.9mm)
- Flush threaded
- 0.5, 1.0, 1.5, 2.0, 3.0m lengths
- 4 TPI thread
- Steel grade ST 52 or API 5L
- In accordance with BS 879 dimensions

## Accessories

- Clamps to suit all dimensions are available
- Casing shoes
- Pull-back head adaptors

**Water Well Casing (BS 879 Flush Butt.)**

Size	ØD (mm)	ID (mm)	WT (mm)	Approx Weight (kg/m)
4"	114.3	98.40	8.00	21
5"	139.7	123.80	8.00	26
6"	168.3	149.20	9.50	37
8"	219.1	203.10	8.00	42
8"	219.1	199.90	10.0	52
10"	273.00	250.8	9.50	71
12"	323.9	301.60	11.00	85

## Casing Shoes

Water well casing shoes are used as a sacrificial tip for drilling down or positioning the water well casing tubes in a borehole.

They have cutting segments on the front and exterior, while the interior is smooth. The inner diameter of the casing shoe is sufficiently large to permit free passage of drill bits and core barrels in corresponding sizes.

Tungsten Carbide Casing Shoes are used typically for use in clay and other soft materials whereas Diamond Impregnated Casing Shoes are the best choice for installing casing into harder materials. Serrated shoes are available for drilling in gravels and chalk.



Specifications						
	4"	5"	6"	8"	10"	12"
O.D. of Casing Shoe (mm)	117.5	143.5	172.3	223.9	277.4	328.8
I.D. of Casing Shoe (mm)	96.9	122.5	147.8	198.5	249.0	301.0

## Pull Back Head Adaptors

Pull back head adaptors are used to connect from the casing to the drill rig and are available with a range of thread types.

Specifications	
Size (mm)	Thread
4"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole
5"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole
6"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole
8"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole
10"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole
12"	NWY, 2 <sup>3</sup> / <sub>8</sub> " REG, drive head with through hole