

## IMPORTANT INFORMATION ON PIPE SIZES

Sizes of solvent cement jointed pipe & fittings, less than 8" NB commonly sold in Australia, are generally to one of the following standards AS 1477, ASTM D 1785, BS 4346. These systems have the concept of Nominal Bore "NB", this is known as the imperial system to differentiate it from the metric system. In the imperial system the outside diameter is fixed & the wall thickness varies depending on the pressure rating of the pipe.

Hence though a pipe may be sized as 2" NB, neither the inside or outside diameter need be exactly 2". In the true metric system the pipe is sized on the actual outside diameter, regardless of the pressure rating, so in the case of d63 pipe, measurement of the OD will be 63mm.

It is vital to understand in most sizes, metric fittings will not fit imperial pipe & vice versa. In Australia, as we are a metric country using an imperial pipe system, it is common to specify pipe by the metric equivalent of the NB size. For example: 2" NB is sold as 50mm pipe but the actual OD is 60.3mm & the actual ID of Shed 80 is 48.5mm. In the metric system "NB" is denoted as "DN" & "OD" is denoted as "d". This is the convention in this catalog when using dimensions in mm. Dimensions in inches are nominal bore.

The following table compares actual dimensions of the outside diameter of metric & imperial pipe, in most sizes the imperial systems are interchangeable. In most cases metric & imperial sizes are not interchangeable. Hence we offer a range of metric to imperial adaptors to interface the two systems.

		ASTM D 1785 Grey Shed 80	AS1477 White Class 18	BS4346	Metric System DN 8063
Inches N.B.	MM D.N.	O.D.	O.D.	O.D.	d
3/8"		17.3		17.3	16
1/2"	15	21.5	21.35	21.35	20
3/4"	20	26.7	26.75	26.75	25
1"	25	33.4	33.55	33.55	32
1.25"	32	42.2	42.25	42.25	40
1.5"	40	48.3	48.25	48.25	50
2"	50	60.3	60.35	60.35	63
2.5"	65	73.0	75.35	75.3	75
3"	80	89.0	88.90	88.90	90
4"	100	114.0	114.30	114.3	110
5"	125		140.20	140.3	125
	150		160.25		
6"	155	168.3	168.25	168.3	160
8"	195	219.0	219.10	219.1	200
	200		225.30		225