

THREAD DESIGNATIONS

British Standard Pipe Thread

G 1/2 A - LH



G - Whitworth / BSPP (P=parallel) Pipe Thread

All types and tolerance classes can be produced with W (Whitworth) thread turning and thread milling tools.

	external	internal
Loose tolerance	A	only one
Tight tolerance	B	class

To get a pressure tight-joint you need a seal ring between the shoulder of the external thread and the face of the internal thread.

R - Whitworth / BSPT (T=tapered) Pipe Thread

All types and tolerance classes of conical threads can be produced with BSPT threading tools.

Rp	Internal cylindrical pipe thread
Rc	Internal conical pipe thread
R	External conical pipe thread

As the thread is conical it will be almost a pressure tight-joint, but to improve the sealing effect you need to use a thread seal tape.

Pitch is not written as it is determined of the diameter.

It is not necessary to write RH for right hand thread as almost all threads are right handed.

Thread Profile Depth	
external	16,256 / TPI
internal	16,256 / TPI

Thread	Pipe diameter	Pitch TPI
1/16	7,723	28
1/8	9,728	28
1/4	13,157	19
3/8	16,662	19
1/2	20,955	14
5/8*	22,911	14
3/4	26,441	14
7/8*	30,201	14
1	33,249	11
1 1/8*	37,897	11
1 1/4	41,910	11
1 1/2	47,803	11
1 3/4*	53,746	11
2	59,614	11
2 1/4*	65,710	11
2 1/2	75,184	11
2 3/4*	81,534	11
3	87,884	11
3 1/2*	100,330	11
4	113,030	11
4 1/2*	125,730	11
5	138,430	11
5 1/2*	151,130	11
6	163,830	11

*This dimension is only for G