

Pipe Thread Comparisons BSP(British Std Pipe)/NPT/API

Important: On no account must BSP threaded components be interchanged with NPT or API. I.e. BSP components must not be screwed into NPT or API tapped holes or vice versa.

Nominal Size	Thread Form	Major Dia	Pitch	Treads per Inch	Thread Depth	Thread Angle
1/4	BSP (BS21 Std)	.518	.05264	19	.0337	55
1/4	NPT	.540	.05556	18	.04444	60
1/4	API	.540	.0556	18	.0422	60
3/8	BSP (BS21 Std)	.656	.05264	19	.0337	55
3/8	NPT	.675	.05556	18	.04444	60
3/8	API	.675	.0556	18	.0422	60
1/2	BSP (BS21 Std)	.825	.07142	14	.04575	55
1/2	NPT	.840	.07143	14	.05714	60
1/2	API	.840	.0714	14	.0543	60
3/4	BSP (BS21 Std)	1.041	.07142	14	.04575	55
3/4	NPT	1.050	.07143	14	.05714	60
3/4	API	1.050	.0714	14	.0543	60
1	BSP (BS21 Std)	1.309	.0909	11	.0582	55
1	NPT	1.315	.08696	11.5	.06957	60
1	API	1.315	.0870	11.5	.0661	60