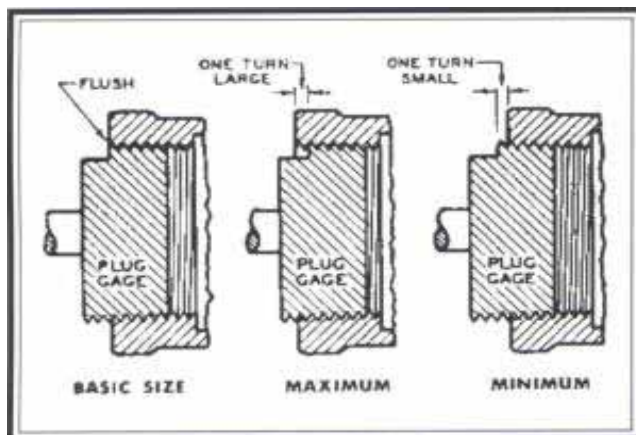


# Basic Dimensions of Taper Pipe Threads

## National Pipe Threads (NPT)

Nominal Pipe Size	O.D. of Pipe	Threads Per Inch	Pitch	Major Diameters of Plug Gages			Pitch Diameters of Plug & Ring Gages			Minor Diameters of Ring Gages		Increase in Diam./Thread	Thickness of Ring
				At Small End	At Gaging Notch	At Large End	At Small End	At Gaging Notch	At Large End, Plug Gage	At Small End	At Gaging Notch		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1/16	0.3125	27	0.03704	0.29289	0.30289	0.30921	0.27118	0.28118	0.28750	0.24947	0.25947	0.00231	0.160
1/8	0.405	27	0.03704	0.38522	0.39531	0.40171	0.36351	0.37360	0.38000	0.34180	0.35189	0.00231	0.1615
1/4	0.540	18	0.05556	0.51339	0.52763	0.53850	0.47739	0.49163	0.50250	0.44139	0.45563	0.00347	0.2278
3/8	0.675	18	0.05556	0.64801	0.66301	0.67350	0.61201	0.62701	0.63750	0.57601	0.59101	0.00347	0.240
1/2	0.840	14	0.07143	0.80600	0.82600	0.83936	0.75843	0.77843	0.79179	0.71086	0.73086	0.00446	0.320
3/4	1.050	14	0.07143	1.01525	1.03644	1.04936	0.96768	0.98887	1.00179	0.92011	0.94129	0.00446	0.339
1	1.315	11.5	0.08696	1.27154	1.29654	1.31422	1.21363	1.23863	1.25630	1.15572	1.18072	0.00543	0.400
1-1/4	1.660	11.5	0.08696	1.61504	1.64129	1.65922	1.55713	1.58338	1.60130	1.49922	1.52547	0.00543	0.420
1-1/2	1.900	11.5	0.08696	1.85400	1.88025	1.89922	1.79609	1.82234	1.84130	1.73817	1.76442	0.00543	0.420
2	2.375	11.5	0.08696	2.32693	2.35418	2.37422	2.26902	2.29627	2.31630	2.21111	2.23836	0.00543	0.436
2-1/2	2.875	8	0.12500	2.80278	2.84541	2.87388	2.71953	2.76216	2.79062	2.63628	2.67891	0.00781	0.682
3	3.500	8	0.12500	3.42388	3.47175	3.49888	3.34062	3.38850	3.41562	3.25737	3.30525	0.00781	0.766
3-1/2	4.000	8	0.12500	3.92075	3.97207	3.99888	3.83750	3.88881	3.91562	3.75425	3.80556	0.00781	0.821
4	4.500	8	0.12500	4.41762	4.47038	4.49888	4.33438	4.38712	4.41562	4.25112	4.30387	0.00781	0.844

### INTERNAL THREADS



### EXTERNAL THREADS

