

Subsurface Cylinder Casing Restrictions & Dimensional Guidelines

Existing Annulus Casing					Recommended Maximum Top Tbg Joint Size	Possible Cylinder Bore Sizes	Annulus (ID) to Top Joint (OD) Clearance		
Casing Size	Weight, #/Ft	ID	Coupling OD				Flush Joint X-over	Round Thread Coupling + X-over	V-Form Thread Coupling + X-over
			Round	V-Form					
4	11.60	3.428	-	4.484	Not Available	Not Available	Not Available	Not Available	Not Available
4 1/2	9.50	4.090	5.000	5.021	Not Available	Not Available	Not Available	Not Available	Not Available
4 1/2	11.60	4.000	5.000	5.021	Not Available	Not Available	Not Available	Not Available	Not Available
4 3/4	16.00	4.082	5.364	5.364	Not Available	Not Available	Not Available	Not Available	Not Available
5	11.50	4.560	5.563	-	4 1/2	2.5"	0.060	Not Available	Not Available
5	13.00	4.494	5.563	5.491	Not Available	Not Available	Not Available	Not Available	Not Available
5	15.00	4.408	5.563	5.491 / 5.750	Not Available	Not Available	Not Available	Not Available	Not Available
5	17.70	4.300	5.563	5.500	Not Available	Not Available	Not Available	Not Available	Not Available
5	18.00	4.276	5.563	5.491 / 5.750	Not Available	Not Available	Not Available	Not Available	Not Available
5	21.00	4.154	5.563	5.800	Not Available	Not Available	Not Available	Not Available	Not Available
5 1/2	13.00	5.044	6.050	-	4 1/2	2.5"	0.544	0.044	0.023
5 1/2	14.00	5.012	6.050	6.155	4 1/2	2.5"	0.512	0.012	Not Available
5 1/2	15.00	4.974	6.050	6.155	4 1/2	2.5"	0.474	Not Available	Not Available
5 1/2	15.50	4.950	6.050	-	4 1/2	2.5"	0.450	Not Available	Not Available
5 1/2	17.00	4.892	6.050	6.155	4 1/2	2.5"	0.392	Not Available	Not Available
5 1/2	20.00	4.778	6.050	6.155	4 1/2	2.5"	0.278	Not Available	Not Available
5 1/2	23.00	4.670	6.050	-	4 1/2	2.5"	0.170	Not Available	Not Available
5 3/4	14.00	5.290	6.437	6.420	4 1/2	2.5"	0.790	0.290	0.269
5 3/4	17.00	5.190	6.437	6.420	4 1/2	2.5"	0.690	0.190	0.169
5 3/4	19.50	5.090	6.437	6.420	4 1/2	2.5"	0.590	0.090	0.069
5 3/4	22.50	4.990	6.437	6.420	4 1/2	2.5"	0.490	Not Available	Not Available
6 5/8	17.00	6.135	7.390	-	5 1/2	2.5" - 3.0"	0.635	0.085	0.085
6 5/8	20.00	6.049	7.390	7.390	5 1/2	2.5" - 3.0"	0.549	Not Available	Not Available
6 5/8	22.00	5.989	-	7.390	5 1/2	2.5" - 3.0"	0.489	Not Available	Not Available
6 5/8	24.00	5.921	7.390	7.390	5 1/2	2.5" - 3.0"	0.421	Not Available	Not Available
6 5/8	26.00	5.855	7.390	7.390	5 1/2	2.5" - 3.0"	0.355	Not Available	Not Available
6 5/8	26.80	5.837	-	7.390	5 1/2	2.5" - 3.0"	0.337	Not Available	Not Available
6 5/8	28.00	5.791	7.390	7.390	5 1/2	2.5" - 3.0"	0.291	Not Available	Not Available
6 5/8	29.00	5.761	7.390	7.390	5 1/2	2.5" - 3.0"	0.261	Not Available	Not Available
6 5/8	32.00	5.675	7.390	-	5 1/2	2.5" - 3.0"	0.175	Not Available	Not Available
7	17.00	6.538	7.656	-	5 1/2	2.5" - 3.0"	1.038	0.488	0.383
7	20.00	6.456	7.656	7.750	5 1/2	2.5" - 3.0"	0.956	0.406	0.301
7	22.00	6.398	7.656	7.750	5 1/2	2.5" - 3.0"	0.898	0.348	0.243
7	23.00	6.366	7.656	7.750	5 1/2	2.5" - 3.0"	0.866	0.316	0.211
7	24.00	6.336	7.656	7.750	5 1/2	2.5" - 3.0"	0.836	0.286	0.181
7	26.00	6.276	7.656	7.750	5 1/2	2.5" - 3.0"	0.776	0.226	0.121
7	28.00	6.214	7.656	7.750	5 1/2	2.5" - 3.0"	0.714	0.164	0.059
7	29.00	6.184	7.656	-	5 1/2	2.5" - 3.0"	0.684	0.134	0.029
7	30.00	6.154	7.656	7.750	5 1/2	2.5" - 3.0"	0.654	0.104	Not Available
7	32.00	6.094	7.656	-	5 1/2	2.5" - 3.0"	0.594	0.044	Not Available
7	35.00	6.004	7.656	-	5 1/2	2.5" - 3.0"	0.504	Not Available	Not Available
7	38.00	5.920	7.656	-	5 1/2	2.5" - 3.0"	0.420	Not Available	Not Available
7 5/8	20.00	7.125	8.500	-	6 5/8	2.5" - 3.5"	0.500	Not Available	Not Available
7 5/8	24.00	7.025	8.500	-	6 5/8	2.5" - 3.5"	0.400	Not Available	Not Available
7 5/8	26.40	6.969	8.500	8.500	6 5/8	2.5" - 3.5"	0.344	Not Available	Not Available
7 5/8	29.70	6.875	8.500	8.500	6 5/8	2.5" - 3.5"	0.250	Not Available	Not Available
7 5/8	33.70	6.765	8.500	8.500	6 5/8	2.5" - 3.5"	0.140	Not Available	Not Available
7 5/8	39.00	6.625	8.500	-	5 1/2	2.5" - 3.0"	1.125	0.575	0.470
8 5/8	24.00	8.097			7 5/8	2.5" - 4.5"	0.472	Not Available	Not Available
8 5/8	28.00	8.017			7 5/8	2.5" - 4.5"	0.392	Not Available	Not Available
8 5/8	32.00	7.921			7 5/8	2.5" - 4.5"	0.296	Not Available	Not Available
8 5/8	36.00	7.825			7 5/8	2.5" - 4.5"	0.200	Not Available	Not Available
8 5/8	38.00	7.775			7 5/8	2.5" - 4.5"	0.150	Not Available	Not Available
8 5/8	40.00	7.725			7	2.5" - 4.0"	0.725	Not Available	Not Available
8 5/8	43.00	7.651			7	2.5" - 4.0"	0.651	Not Available	Not Available
8 5/8	44.00	7.625			7	2.5" - 4.0"	0.625	Not Available	Not Available
8 5/8	49.00	7.511			7	2.5" - 4.0"	0.511	Not Available	Not Available
9	34.00	8.290			7 5/8	2.5" - 4.5"	0.665	Not Available	Not Available
9	38.00	8.196			7 5/8	2.5" - 4.5"	0.571	Not Available	Not Available
9	40.00	8.150			7 5/8	2.5" - 4.5"	0.525	Not Available	Not Available
9	45.00	8.032			7 5/8	2.5" - 4.5"	0.407	Not Available	Not Available
9	55.00	7.812			7 5/8	2.5" - 4.5"	0.187	Not Available	Not Available
9 5/8	29.30	9.063			7 5/8	2.5" - 4.5"	1.438	0.563	0.563
9 5/8	32.30	9.001			7 5/8	2.5" - 4.5"	1.376	0.501	0.501
9 5/8	36.00	8.921			7 5/8	2.5" - 4.5"	1.296	0.421	0.421
9 5/8	40.00	8.835			7 5/8	2.5" - 4.5"	1.210	0.335	0.335
9 5/8	43.50	8.755			7 5/8	2.5" - 4.5"	1.130	0.255	0.255
9 5/8	47.00	8.681			7 5/8	2.5" - 4.5"	1.056	0.181	0.181
9 5/8	53.50	8.535			7 5/8	2.5" - 4.5"	0.910	0.035	0.035
10" and above, no restrictions, except dimensionally as outlined above.						2.5" - 4.5"			

Note: All dimensions are in inches, unless otherwise noted.

 = Not recommended, due to probable annulus flow restrictions, or mechanical clearance.