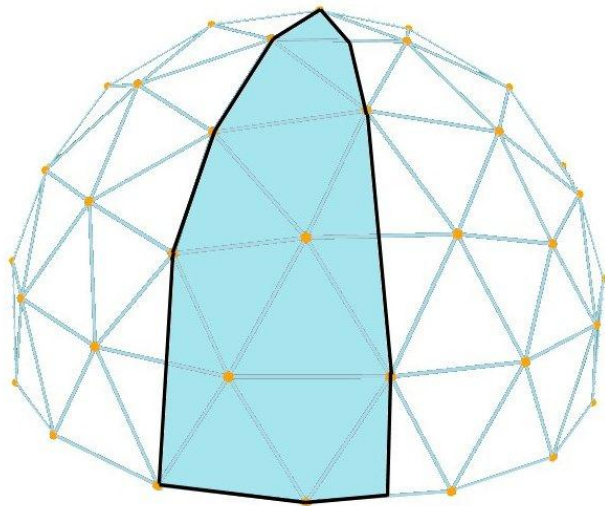


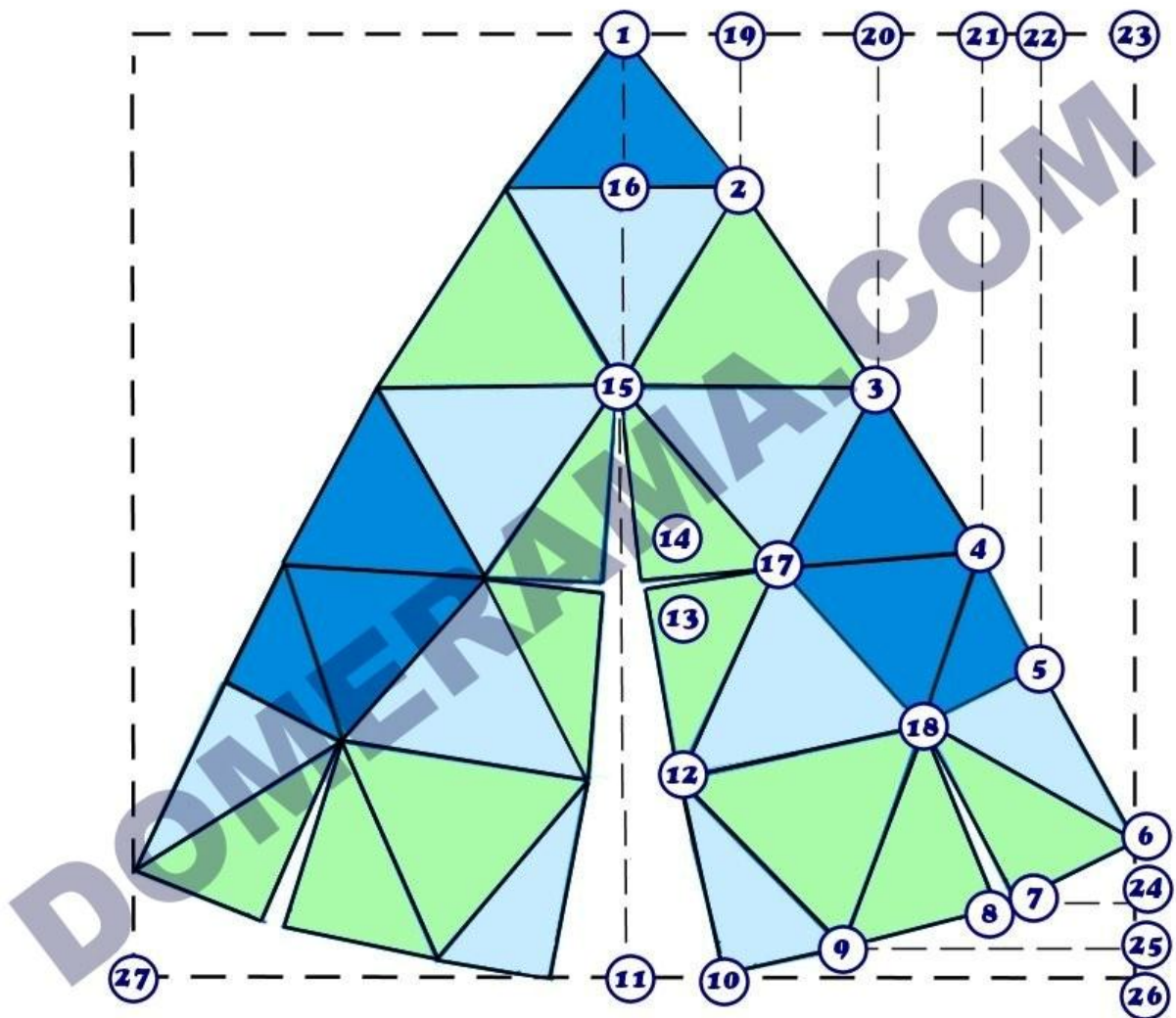
10-foot dome diameter

3v 5/9 geodesic dome cover gore/section



To cover a 3v 5/9 geodesic dome, you need 10 sections. Allow for additional material around the edges to join sections together

3v 5/9 geodesic dome cover diagram



Look up distances between points using the table below.

Cover calculations for a 3v 5/9, 10-foot diameter geodesic dome

1	1	39.56478	2	92.43777	3	39.56478	4	32.23735	5	45.07855	6	22.88671	7	6.212407	8	22.93741	9	26.12382	10	48.5372	11	45.09788	12	43.10325	13	46.74018	14	43.10325	15	45.07855	16	45.87482	17	45.87482	18	156.1643	19	27.64121	20	18.2902	21	13.46943	22	19.3206	23	19.22858	24	10.24064	25	6.629346	26	202.346	27	202.346
2	92.43777	52.92676	39.56478	32.23735	45.07855	22.88671	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
3	131.8684	92.43777	71.78034	32.23735	77.3159	50.57862	22.88671	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																										
4	163.9242	124.5806	71.78034	32.23735	77.3159	50.57862	22.88671	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																										
5	208.8426	169.5871	116.8486	77.3159	45.07855	22.88671	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
6	208.4141	170.0481	118.7171	80.65586	50.57862	22.88671	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
7	208.3033	170.277	119.5551	82.23583	53.31543	29.08752	6.212407	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
8	208.1559	172.1355	125.1786	92.43777	69.77025	56.67195	33.8923	27.69194	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																										
9	210.7809	176.9471	134.0328	105.7259	87.77424	79.5757	56.82842	50.62934	22.93741	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																										
10	209.1558	178.3891	141.1558	118.7171	106.4135	104.5748	82.14152	76.0111	48.5372	26.12382	48.5372	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																										
11	166.5167	134.1253	96.22874	77.3159	73.36866	89.64674	72.24637	67.76872	50.57865	45.07855	45.09788	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
12	123.9556	93.61842	65.91912	65.9905	80.46572	113.6658	102.6235	99.91727	90.20527	88.11582	85.34891	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																											
13	120.3357	90.20527	63.81885	65.9905	81.85533	116.0407	105.4493	102.8648	93.61842	91.7396	88.92953	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346																										
14	77.3159	50.57865	50.57865	77.3159	104.5498	146.0882	140.2879	138.9	134.1253	134.4031	131.8399	89.64674	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346																										
15	32.23735	22.93741	67.7894	105.7259	137.0088	181.3145	179.1037	178.5767	176.9471	178.8367	176.9184	134.4031	91.7396	88.11582	85.34891	43.10325	46.74018	43.10325	45.07855	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346																							
16	121.9157	86.26594	45.87482	39.56478	57.62352	96.22874	89.72223	88.4714	86.26594	90.99162	95.657	50.57865	26.46338	26.46338	26.46338	50.57865	50.57865	90.99162	95.657	50.57865	26.46338	26.46338	26.46338	50.57865	50.57865	90.99162	95.657	50.57865	26.46338	26.46338	26.46338	50.57865	50.57865																					
17	163.3475	125.1786	74.75754	39.56478	22.93741	50.57865	45.10431	45.10431	52.92676	67.7894	84.41637	50.57865	63.81885	65.91912	96.22874	134.0328	45.87482	45.87482	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																						
18	22.93741	32.23735	82.16192	121.4746	153.688	198.7462	200.6855	201.2334	204.0814	209.18	210.4097	166.2925	125.3525	121.8743	80.64659	39.56478	118.4304	156.1643	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
19	50.57862	42.46508	77.37276	113.9338	145.2592	189.5759	194.5831	195.9689	202.5418	210.5806	215.1844	170.1803	132.4046	129.2305	92.39018	59.97869	120.0599	151.7219	27.64121	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
20	68.86882	56.11543	79.50519	112.4561	142.3832	185.5338	192.6307	194.5771	203.5903	213.479	220.2023	175.12	139.9066	136.9776	103.5406	76.04052	124.5457	151.5078	45.93141	18.2902	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
21	82.33825	67.58481	83.63742	113.2599	141.7447	183.6682	192.2956	194.6477	205.4031	216.5784	224.7793	179.8636	146.6495	143.9077	112.9484	88.42417	129.4119	152.7565	59.40084	31.75963	13.46943	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
22	101.173	84.6171	92.44639	117.004	142.9906	182.6699	193.4056	196.3023	209.3695	222.2128	232.3405	187.9203	157.5323	155.0478	127.3331	106.1848	138.1448	156.4427	78.23559	50.59437	32.30418	18.83475	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																						
23	217.2782	178.1469	125.5579	86.11817	53.96555	9.585914	20.78249	26.68099	54.06929	76.92187	102.5698	91.91613	118.9275	121.4655	153.1472	189.3449	102.8968	57.02226	207.5925	198.8306	194.9805	19.3206	19.22858	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
24	226.3911	187.4011	134.9934	95.68816	63.63307	19.82655	23.18857	27.77655	53.09065	75.3414	101.39	95.35088	125.0974	127.8018	160.9772	198.0766	110.4956	64.77089	217.1123	208.7504	205.0866	203.4003	202.5264	10.24064	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
25	232.3405	193.4449	141.1614	101.9529	69.99288	26.4559	26.76767	20.73611	53.50295	75.04917	101.173	98.08169	129.3671	132.1651	166.1858	203.8041	115.6332	70.12871	223.3091	215.1881	211.6856	210.0021	209.4558	16.86998	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
26	232.3405	216.11	200.9859	195.6145	195.501	204.0682	182.3456	176.367	149.4025	127.2968	101.173	122.1457	135.2958	137.1906	166.1858	203.8041	115.6332	70.12871	223.3091	215.1881	211.6856	210.0021	209.4558	16.86998	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							
27	232.3405	216.11	200.9859	195.6145	195.501	204.0682	182.3456	176.367	149.4025	127.2968	101.173	122.1457	135.2958	137.1906	166.1858	203.8041	115.6332	70.12871	223.3091	215.1881	211.6856	210.0021	209.4558	16.86998	6.629346	202.346	202.346	202.346	202.346	202.346	202.346																							

