Gear Sets Must Remain in Vertical Colums *******ULTIMATE "Z" RATIO CHART******* **Gear Sets Must Remain in Vertical Columns**

	27z28	26z27	23z24	21z22	27z29	26z28	23z25	22z24	21z23	20z22	27z30 18z20	26z29	25z28	24z27	23z26	22z25	21z24	20z23	26z30	19z22	25z29	24z28	22z26	21/25	
38z14	2.815	2.817	2.832	2.845	2.915	2.923	2.950	2.961	2.972	2.986	3.016	3.027	3.040	3.054	3.068	3.084	3.102	3.121	3.132	3.143	3.149	3.167	3.208	3.231	**38z14**
43z16	2.787	2.790	2.804	2.817	2.887	2.894	2.921	2.932	2.943	2.956	2.986	2.998	3.010	3.023	3.038	3.054	3.072	3.091	3.101	3.112	3.118	3.135	3.176	3.199	**43z16**
40z15	2.765	2.768	2.783	2.795	2.864	2.872	2.899	2.909	2.920	2.933	2.963	2.974	2.987	3.000	3.014	3.030	3.048	3.067	3.077	3.088	3.093	3.111	3.152	3.175	**40z15**
37z14	2.741	2.743	2.758	2.770	2.839	2.846	2.873	2.883	2.894	2.907	2.937	2.948	2.960	2.973	2.988	3.003	3.021	3.039	3.049	3.060	3.066	3.083	3.123	3.146	**37z14**
41z16	2.657	2.660	2.674	2.686	2.752	2.760	2.785	2.796	2.806	2.819	2.847	2.858	2.870	2.883	2.897	2.912	2.929	2.947	2.957	2.967	2.973	2.990	3.028	3.051	**41z16**
38z15	2.627	2.630	2.643	2.655	2.721	2.728	2.754	2.764	2.774	2.787	2.815	2.826	2.837	2.850	2.864	2.879	2.896	2.913	2.923	2.934	2.939	2.956	2.994	3.016	**38z15**
40z16	2.593	2.595	2.609	2.620	2.685	2.692	2.717	2.728	2.738	2.750	2.778	2.788	2.800	2.813	2.826	2.841	2.858	2.875	2.885	2.895	2.900	2.917	2.955	2.976	**40z16**
37z15	2.558	2.560	2.574	2.585	2.649	2.656	2.681	2.691	2.701	2.713	2.741	2.751	2.763	2.775	2.788	2.803	2.819	2.837	2.846	2.856	2.861	2.878	2.915	2.937	**37z15**
39z16	2.528	2.530	2.543	2.555	2.618	2.625	2.649	2.659	2.669	2.681	2.708	2.719	2.730	2.742	2.755	2.770	2.786	2.803	2.812	2.823	2.828	2.844	2.881	2.902	**39z16**
41z17	2.501	2.503	2.517	2.528	2.590	2.597	2.621	2.631	2.641	2.653	2.680	2.690	2.701	2.713	2.726	2.741	2.757	2.774	2.783	2.793	2.798	2.814	2.850	2.871	**41z17**
36z15	2.489	2.491	2.504	2.515	2.578	2.585	2.609	2.618	2.628	2.640	2.667	2.677	2.688	2.700	2.713	2.727	2.743	2.760	2.769	2.779	2.784	2.800	2.836	2.857	**36z15**
38z16	2.463	2.465	2.478	2.489	2.551	2.558	2.582	2.591	2.601	2.613	2.639	2.649	2.660	2.672	2.685	2.699	2.715	2.731	2.740	2.750	2.755	2.771	2.807	2.827	**38z16**
40z17	2.440	2.442	2.455	2.466	2.527	2.534	2.558	2.567	2.576	2.588	2.614	2.624	2.635	2.647	2.660	2.674	2.689	2.706	2.715	2.725	2.729	2.745	2.781	2.801	**40z17**
35z15	2.420	2.422	2.435	2.445	2.506	2.513	2.536	2.546	2.555	2.567	2.593	2.603	2.613	2.625	2.638	2.652	2.667	2.683	2.692	2.702	2.707	2.722	2.758	2.778	**35z15**
37z16	2.398	2.400	2.413	2.424	2.484	2.490	2.514	2.523	2.532	2.544	2.569	2.579	2.590	2.602	2.614	2.628	2.643	2.659	2.668	2.678	2.683	2.698	2.733	2.753	**37z16**
39z17	2.379	2.381	2.394	2.404	2.464	2.471	2.494	2.503	2.512	2.524	2.549	2.559	2.569	2.581	2.593	2.607	2.622	2.638	2.647	2.657	2.661	2.676	2.711	2.731	**39z17**
34z15	2.351	2.353	2.365	2.375	2.435	2.441	2.464	2.473	2.482	2.493	2.519	2.528	2.539	2.550	2.562	2.576	2.591	2.607	2.615	2.625	2.629	2.644	2.679	2.698	**34z15**
36z16	2.333	2.336	2.348	2.358	2.417	2.423	2.446	2.455	2.464	2.475	2.500	2.510	2.520	2.531	2.543	2.557	2.572	2.588	2.596	2.606	2.610	2.625	2.659	2.679	**36z16**
38z17	2.318	2.320	2.332	2.343	2.401	2.407	2.430	2.439	2.448	2.459	2.484	2.493	2.504	2.515	2.527	2.540	2.555	2.571	2.579	2.588	2.593	2.608	2.642	2.661	**38z17**
33z15	2.281	2.284	2.296	2.306	2.363	2.369	2.391	2.400	2.409	2.420	2.444	2.454	2.464	2.475	2.487	2.500	2.515	2.530	2.538	2.548	2.552	2.567	2.600	2.619	**33z15**
39z18	2.247	2.249	2.261	2.271	2.327	2.333	2.355	2.364	2.372	2.383	2.407	2.417	2.427	2.437	2.449	2.462	2.476	2.492	2.500	2.509	2.513	2.528	2.561	2.579	**39z18**
32z15	2.212	2.214	2.226	2.236	2.291	2.297	2.319	2.327	2.336	2.347	2.370	2.379	2.389	2.400	2.412	2.424	2.438	2.453	2.462	2.470	2.475	2.489	2.521	2.540	**32z15**
38z18	2.189	2.191	2.203	2.212	2.267	2.274	2.295	2.303	2.312	2.322	2.346	2.355	2.364	2.375	2.386	2.399	2.413	2.428	2.436	2.445	2.449	2.463	2.495	2.513	**38z18**
31z15	2.143	2.145	2.157	2.166	2.220	2.226	2.246	2.255	2.263	2.273	2.296	2.305	2.315	2.325	2.336	2.348	2.362	2.377	2.385	2.393	2.397	2.411	2.442	2.460	**31z15**
33z16	2.139	2.141	2.152	2.162	2.215	2.221	2.242	2.250	2.258	2.269	2.292	2.300	2.310	2.320	2.332	2.344	2.357	2.372	2.380	2.388	2.393	2.406	2.437	2.455	**33z16**
37z18	2.132	2.134	2.145	2.154	2.208	2.214	2.234	2.243	2.251	2.261	2.284	2.293	2.302	2.312	2.324	2.336	2.349	2.364	2.372	2.380	2.384	2.398	2.429	2.447	**37z18**
32z16	2.074	2.076	2.087	2.096	2.148	2.154	2.174	2.182	2.190	2.200	2.222	2.231	2.240	2.250	2.261	2.273	2.286	2.300	2.308	2.316	2.320	2.333	2.364	2.381	**32z16**
38z19	2.074	2.076	2.087	2.096	2.148	2.154	2.174	2.182	2.190	2.200	2.222	2.231	2.240	2.250	2.261	2.273	2.286	2.300	2.308	2.316	2.320	2.333	2.364	2.381	**38z19**
37z19	2.019	2.021	2.032	2.041	2.092	2.097	2.117	2.125	2.132	2.142	2.164	2.172	2.181	2.191	2.201	2.213	2.226	2.239	2.247	2.255	2.259	2.272	2.301	2.318	**37z19**
31z16	2.009	2.011	2.022	2.031	2.081	2.087	2.106	2.114	2.122	2.131	2.153	2.161	2.170	2.180	2.190	2.202	2.215	2.228	2.236	2.244	2.248	2.260	2.290	2.307	**31z16**
29z15	2.005	2.007	2.017	2.026	2.077	2.082	2.101	2.109	2.117	2.127	2.148	2.156	2.165	2.175	2.186	2.197	2.210	2.223	2.231	2.239	2.243	2.256	2.285	2.302	**29z15**
36z19	1.965	1.967	1.977	1.986	2.035	2.040	2.059	2.067	2.075	2.084	2.105	2.113	2.122	2.132	2.142	2.153	2.166	2.179	2.186	2.194	2.198	2.211	2.239	2.256	**36z19**
30z16	1.944	1.946	1.957	1.965	2.014	2.019	2.038	2.046	2.053	2.063	2.083	2.091	2.100	2.109	2.120	2.131	2.143	2.156	2.163	2.171	2.175	2.188	2.216	2.232	**30z16**
28z15	1.936	1.938	1.948	1.956	2.005	2.010	2.029	2.037	2.044	2.053	2.074	2.082	2.091	2.100	2.110	2.121	2.134	2.147	2.154	2.162	2.165	2.178	2.206	2.222	**28z15**
37z20	1.919	1.920	1.930	1.939	1.987	1.992	2.011	2.018	2.026	2.035	2.056	2.063	2.072	2.081	2.091	2.102	2.115	2.128	2.135	2.142	2.146	2.158	2.186	2.202	**37z20**
35z19	1.910	1.912	1.922	1.931	1.979	1.984	2.002	2.010	2.017	2.026	2.047	2.055	2.063	2.072	2.082	2.093	2.106	2.118	2.126	2.133	2.137	2.149	2.177	2.193	**35z19**
33z18	1.901	1.903	1.913	1.921	1.969	1.974	1.993	2.000	2.008	2.017	2.037	2.045	2.053	2.063	2.072	2.083	2.096	2.108	2.115	2.123	2.127	2.139	2.167	2.183	**33z18**
31z17	1.891	1.893	1.903	1.911	1.959	1.964	1.982	1.989	1.997	2.006	2.026	2.034	2.042	2.051	2.061	2.072	2.084	2.097	2.104	2.112	2.115	2.127	2.155	2.171	**31z17**
29z16	1.880	1.881	1.891	1.900	1.947	1.952	1.970	1.977	1.985	1.994	2.014	2.022	2.030	2.039	2.049	2.060	2.072	2.084	2.091	2.099	2.103	2.115	2.142	2.158	**29z16**
36z20	1.867	1.868	1.878	1.886	1.933	1.938	1.957	1.964	1.971	1.980	2.000	2.008	2.016	2.025	2.035	2.045	2.057	2.070	2.077	2.084	2.088	2.100	2.127	2.143	**36z20**
34z19	1.856	1.857	1.867	1.875	1.922	1.927	1.945	1.952	1.959	1.968	1.988	1.996	2.004	2.013	2.023	2.033	2.045	2.058	2.065	2.072	2.076	2.088	2.115	2.130	**34z19**
25z14	1.852	1.854	1.863	1.871	1.918	1.923	1.941	1.948	1.955	1.964	1.984	1.992	2.000	2.009	2.019	2.029	2.041	2.054	2.060	2.068	2.071	2.083	2.110	2.126	**25z14**
32z18	1.844	1.845	1.855	1.863	1.909	1.915	1.932	1.940	1.947	1.956	1.975	1.983	1.991	2.000	2.010	2.020	2.032	2.044	2.051	2.059	2.062	2.074	2.101	2.116	**32z18**
30z17	1.830	1.832	1.841	1.849	1.895	1.900	1.918	1.925	1.932	1.941	1.961	1.968	1.976	1.985	1.995	2.005	2.017	2.029	2.036	2.044	2.047	2.059	2.086	2.101	**30z17**
35z20	1.815	1.817	1.826	1.834	1.880	1.885	1.902	1.909	1.916	1.925	1.944	1.952	1.960	1.969	1.978	1.989	2.000	2.013	2.019	2.027	2.030	2.042	2.068	2.083	**35z20**
26z15	1.798	1.799	1.809	1.817	1.862	1.867	1.884	1.891	1.898	1.907	1.926	1.933	1.941	1.950	1.959	1.970	1.981	1.993	2.000	2.007	2.011	2.022	2.048	2.063	**26z15**
31z18	1.786	1.788	1.797	1.805	1.850	1.855	1.872	1.879	1.886	1.894	1.914	1.921	1.929	1.938	1.947	1.957	1.969	1.981	1.987	1.994	1.998	2.009	2.035	2.050	**31z18**
36z21	1.778	1.779	1.789	1.797	1.841	1.846	1.863	1.870	1.877	1.886	1.905	1.912	1.920	1.929	1.938	1.948	1.959	1.971	1.978	1.985	1.989	2.000	2.026	2.041	**36z21**
29z17	1.769	1.771	1.780	1.788	1.832	1.837	1.854	1.861	1.868	1.876	1.895	1.903	1.911	1.919	1.928	1.939	1.950	1.962	1.968	1.975	1.979	1.990	2.016	2.031	**29z17**
34z20	1.763	1.765	1.774	1.782	1.826	1.831	1.848	1.855	1.862	1.870	1.889	1.896	1.904	1.913	1.922	1.932	1.943	1.955	1.962	1.969	1.972	1.983	2.009	2.024	**34z20**
27z16	1.750	1.752	1.761	1.769	1.812	1.817	1.834	1.841	1.848	1.856	1.875	1.882	1.890	1.898	1.908	1.918	1.929	1.941	1.947	1.954	1.958	1.969	1.994	2.009	**27z16**
35z21	1.728	1.730	1.739	1.747	1.790	1.795	1.812	1.818	1.825	1.833	1.852	1.859	1.867	1.875	1.884	1.894	1.905	1.917	1.923	1.930	1.933	1.944	1.970	1.984	**35z21**
28z17	1.708	1.710	1.719	1.726	1.769	1.774	1.790	1.797	1.804	1.812	1.830	1.837	1.845	1.853	1.862	1.872	1.883	1.894	1.900	1.907	1.911	1.922	1.947	1.961	**28z17**
26z16	1.685	1.687	1.696	1.703	1.745	1.750	1.766	1.773	1.779	1.788	1.806	1.812	1.820	1.828	1.837	1.847	1.857	1.869	1.875	1.882	1.885	1.896	1.920	1.935	**26z16**
34z21	1.679	1.681	1.689	1.697	1.739	1.744	1.760	1.766	1.773	1.781	1.799	1.806	1.813	1.821	1.830	1.840	1.851	1.862	1.868	1.875	1.878	1.889	1.913	1.927	**34z21**
35z22	1.650	1.651	1.660	1.667	1.709	1.713	1.729	1.736	1.742	1.750	1.768	1.774	1.782	1.790	1.798	1.808	1.818	1.830	1.836	1.842	1.845	1.856	1.880	1.894	**35z22**
27z17	1.647	1.649	1.657	1.664	1.706	1.710	1.726	1.733	1.739	1.747	1.765	1.771	1.779	1.787	1.795	1.805	1.815	1.826	1.833	1.839	1.842	1.853	1.877	1.891	**27z17**
33z21	1.630	1.631	1.640	1.647	1.688	1.692	1.708	1.714	1.721	1.729	1.746	1.753	1.760	1.768	1.776	1.786	1.796	1.807	1.813	1.820	1.823	1.833	1.857	1.871	**33z21**
25z16	1.620	1.622	1.630	1.638	1.678	1.683	1.698	1.705	1.711	1.719	1.736	1.743	1.750	1.758	1.766	1.776	1.786	1.797	1.803	1.809	1.813	1.823	1.847	1.860	**25z16**
28z18	1.613	1.615	1.623	1.630	1.671	1.675	1.691	1.697	1.703	1.711	1.728	1.735	1.742	1.750	1.758	1.768	1.778	1.789	1.795	1.801	1.804	1.815	1.838	1.852	**28z18**
34z22	1.603	1.604	1.613	1.620	1.660	1.664	1.680	1.686	1.692	1.700	1.717	1.724	1.731	1.739	1.747	1.756	1.766	1.777	1.783	1.790	1.793	1.803	1.826	1.840	**34z22**
26z17	1.586	1.588	1.596	1.603	1.643	1.647	1.662	1.669	1.675	1.682	1.699	1.706	1.713	1.721	1.729	1.738	1.748	1.759	1.765	1.771	1.774	1.784	1.807	1.821	**26z17**
33z22	1.556	1.557	1.565	1.572	1.611	1.615	1.630	1.637	1.643	1.650	1.667	1.673	1.680	1.688	1.696	1.705	1.715	1.725	1.731	1.737	1.740	1.750	1.773	1.786	**33z22**
28z19	1.528	1.530	1.538	1.544	1.583	1.587	1.602	1.608	1.614	1.621	1.637	1.644	1.651	1.658	1.666	1.675	1.684	1.695	1.700	1.707	1.709	1.719	1.742	1.754	**28z19**
25z17	1.525	1.526	1.535	1.541	1.580	1.584	1.598	1.604	1.610	1.618	1.634	1.640	1.647	1.654	1.662	1.671	1.681	1.691	1.697	1.703	1.706	1.716	1.738	1.751	**25z17**
32z22	1.508	1.510	1.518	1.524	1.562	1.566	1.581	1.587	1.593	1.600	1.616	1.622	1.629	1.636	1.644	1.653	1.663	1.673	1.678	1.684	1.687	1.697	1.719	1.732	**32z22**
29z20	1.504	1.505	1.513	1.520	1.557	1.562	1.576	1.582	1.588	1.595	1.611	1.617	1.624	1.631	1.639	1.648	1.657	1.668	1.673	1.679	1.682	1.692	1.714	1.726	**29z20**
26z18	1.498	1.499	1.507	1.514	1.551	1.556	1.570	1.576	1.582	1.589	1.605	1.611	1.618	1.625	1.633	1.641	1.651	1.661	1.667	1.673	1.676	1.685	1.707	1.720	**26z18**
33z23	1.488	1.489	1.497	1.504	1.541	1.545	1.560	1.565	1.571	1.578	1.594	1.600	1.607	1.614	1.622	1.630	1.640	1.650	1.656	1.661	1.664	1.674	1.696	1.708	**33z23**
27z19	1.474	1.475	1.483	1.489	1.526	1.530	1.545	1.550	1.556	1.563	1.579	1.585	1.592	1.599	1.606	1.615	1.624	1.634	1.640	1.646	1.648	1.658	1.679	1.692	**27z19**
34z24	1.469	1.471	1.478	1.485	1.522	1.526	1.540	1.546	1.551	1.558	1.574	1.580	1.587	1.594	1.601	1.610	1.619	1.629	1.635	1.641	1.643	1.653	1.674	1.687	**34z24**
24z17	1.464	1.465	1.473	1.480	1.516	1.520	1.535	1.540	1.546	1.553	1.569	1.575	1.581	1.588	1.596	1.604	1.614	1.624	1.629	1.635	1.638	1.647	1.668	1.681	**24z17**
28z20	1.452	1.453	1.461	1.467	1.504	1.508	1.522	1.527	1.533	1.540	1.556	1.562	1.568	1.575	1.583	1.591	1.600	1.610	1.615	1.621	1.624	1.633	1.655	1.667	**28z20**
32z23	1.443	1.444	1.452	1.458	1.494	1.498	1.512	1.518	1.523	1.530	1.546	1.552	1.558	1.565	1.573	1.581	1.590	1.600	1.605	1.611	1.614	1.623	1.644	1.656	**32z23**
25z18	1.440	1.442	1.449	1.456	1.492	1.496	1.510	1.515	1.521	1.528	1.543	1.549	1.556	1.563	1.570	1.578	1.588	1.597	1.603	1.608	1.611	1.620	1.641	1.653	**25z18**
29z21	1.432	1.433	1.441	1.447	1.483	1.487	1.501	1.507	1.512	1.519	1.534	1.540	1.547	1.554	1.561	1.569	1.578	1.588	1.593	1.599	1.602	1.611	1.632	1.644	**29z21**
33z24	1.426	1.427	1.435	1.441	1.477	1.481	1.495	1.500	1.506	1.513	1.528	1.534	1.540	1.547	1.554	1.563	1.572	1.581	1.587	1.592	1.595	1.604	1.625	1.637	**33z24**
26z19	1.419	1.420	1.428	1.434	1.470	1.474	1.487	1.493	1.498	1.505	1.520	1.526	1.533	1.539	1.547	1.555	1.564	1.574	1.579	1.585	1.587	1.596	1.617	1.629	**26z19**
30z22	1.414	1.415	1.423	1.429	1.465	1.469	1.482	1.488	1.493	1.500	1.515	1.521	1.527	1.534	1.542	1.550	1.559	1.568	1.573	1.579	1.582	1.591	1.612	1.623	**30z22**
34z25	1.410	1.412	1.419	1.425	1.461	1.465	1.478	1.484	1.489	1.496	1.511	1.517	1.523	1.530	1.537	1.545	1.554	1.564	1.569	1.575	1.578	1.587	1.607	1.619	**34z25**
27z20	1.400	1.401	1.409	1.415	1.450	1.454	1.467	1.473	1.478	1.485	1.500	1.506	1.512	1.519	1.526	1.534	1.543	1.553	1.558	1.563	1.566	1.575	1.595	1.607	**27z20**
31z23	1.398	1.399	1.406	1.413	1.448	1.452	1.465	1.470	1.476	1.483	1.498	1.503	1.510	1.516	1.524	1.532	1.541	1.550	1.555	1.561	1.563	1.572	1.593	1.605	**31z23**
28z21	1.383	1.384	1.391	1.397	1.432	1.436	1.449	1.455	1.460	1.467	1.481	1.487	1.493	1.500	1.507	1.515	1.524	1.533	1.538	1.544	1.547	1.556	1.576	1.587	**28z21**
32z24	1.383	1.384	1.391	1.397	1.432	1.436	1.449	1.455	1.460	1.467	1.481	1.487	1.493	1.500	1.507	1.515	1.524	1.533	1.538	1.544	1.547	1.556	1.576	1.587	**32z24**
25z19	1.365	1.366	1.373	1.379	1.413	1.417	1.430	1.436	1.441	1.447	1.462	1.468	1.474	1.480	1.487	1.495	1.504	1.513	1.518	1.524	1.526	1.535	1.555	1.566	**25z19**
26z20	1.348	1.349	1.357	1.362	1.396	1.400	1.413	1.418	1.424	1.430	1.444	1.450	1.456	1.463	1.470	1.477	1.486	1.495	1.500	1.505	1.508	1.517	1.536	1.548	**26z20**
31z24	1.340	1.341	1.348	1.354	1.387	1.391	1.404	1.409	1.414	1.421	1.435	1.441	1.447	1.453	1.460	1.468	1.476	1.485	1.490	1.496	1.498	1.507	1.527	1.538	**31z24**
27z21	1.333	1.335	1.342	1.347	1.381	1.385	1.398	1.403	1.408	1.414	1.429	1.434	1.440	1.446	1.453	1.461	1.470	1.479	1.484	1.489	1.491	1.500	1.519	1.531	**27z21**
32z25	1.327	1.329	1.336	1.341	1.375	1.378	1.391	1.396	1.402	1.408	1.422	1.428	1.434	1.440	1.447	1.455	1.463	1.472	1.477	1.482	1.485	1.493	1.513	1.524	**32z25**
23z18	1.325	1.326	1.333	1.339	1.372	1.376	1.389	1.394	1.399	1.406	1.420	1.425	1.431	1.438	1.444	1.452	1.461	1.469	1.474	1.480	1.482	1.491	1.510	1.521	**23z18**
24z19	1.310	1.311	1.318	1.324	1.357	1.360	1.373	1.378	1.383	1.389	1.404	1.409	1.415	1.421	1.428	1.435	1.444	1.453	1.457	1.463	1.465	1.474	1.493	1.504	**24z19**
25z20	1.296	1.298	1.304	1.310	1.343	1.346	1.359	1.364	1.369	1.375	1.389	1.394	1.400	1.406	1.413	1.420	1.429	1.438	1.442	1.448	1.450	1.458	1.477	1.488	**25z20**
31z25	1.286	1.287	1.294	1.300	1.332	1.335	1.348	1.353	1.358	1.364	1.378	1.383	1.389	1.395	1.402	1.409	1.417	1.426	1.431	1.436	1.438	1.447	1.465	1.476	**31z25**
26z21	1.284	1.285	1.292	1.298	1.330	1.333	1.346	1.351	1.356	1.362	1.376	1.381	1.387	1.393	1.400	1.407	1.415	1.424	1.429	1.434	1.436	1.444	1.463	1.474	**26z21**
23z19	1.255	1.257	1.263	1.269	1.300	1.304	1.316	1.321	1.326	1.332	1.345	1.350	1.356	1.362	1.368	1.376	1.384	1.392	1.397	1.402	1.404	1.412	1.431	1.441	**23z19**
30z25	1.244	1.246	1.252	1.258	1.289	1.292	1.304	1.309	1.314	1.320	1.333	1.338	1.344	1.350	1.357	1.364	1.372	1.380	1.385	1.390	1.392	1.400	1.418	1.429	**30z25**
25z21	1.235	1.236	1.242	1.248	1.279	1.282	1.294	1.299	1.304	1.310	1.323	1.328	1.333	1.339	1.346	1.353	1.361	1.369	1.374	1.379	1.381	1.389	1.407	1.417	**25z21**
22z19	1.201	1.202	1.208	1.213	1.244	1.247	1.259	1.263	1.268	1.274	1.287	1.291	1.297	1.303	1.309	1.316	1.323	1.332	1.336	1.341	1.343	1.351	1.368	1.378	**22z19**
30z26	1.197	1.198	1.204	1.209	1.239	1.243	1.254	1.259	1.263	1.269	1.282	1.287	1.292	1.298	1.304	1.311	1.319	1.327	1.331	1.336	1.338	1.346	1.364	1.374	**30z26**
24z21	1.185	1.186	1.193	1.198	1.228	1.231	1.242	1.247	1.251	1.257	1.270	1.275	1.280	1.286	1.292	1.299	1.306	1.314	1.319	1.323	1.326	1.333	1.351	1.361	**24z21**
25z22	1.178	1.180	1.186	1.191	1.221	1.224	1.235	1.240	1.244	1.250	1.263	1.267	1.273	1.278	1.285	1.291	1.299	1.307	1.311	1.316	1.318	1.326	1.343	1.353	**25z22**
27z24	1.167	1.168	1.174	1.179	1.208	1.212	1.223	1.227	1.232	1.238	1.250	1.255	1.260	1.266	1.272	1.278	1.286	1.294	1.298	1.303	1.305	1.313	1.330	1.339	**27z24**
28z25	1.161	1.163	1.169	1.174	1.203	1.206	1.217	1.222	1.226	1.232	1.244	1.249	1.254	1.260	1.266	1.273	1.280	1.288	1.292	1.297	1.299	1.307	1.324	1.333	**28z25**
29z26	1.157	1.158	1.164	1.169	1.198	1.201	1.212	1.217	1.221	1.227	1.239	1.244	1.249	1.255	1.261	1.267	1.275	1.283	1.287	1.292	1.294	1.301	1.318	1.328	**29z26**
30z27	1.152	1.153	1.159	1.164	1.193	1.197	1.208	1.212	1.217	1.222	1.235	1.239	1.244	1.250	1.256	1.263	1.270	1.278	1.282	1.287	1.289	1.296	1.313	1.323	**30z27**
31z28	1.148	1.149	1.155	1.160	1.189	1.192	1.203	1.208	1.212	1.218	1.230	1.235	1.240	1.246	1.252	1.258	1.265	1.273	1.277	1.282	1.284	1.292	1.308	1.318	**31z28**
22z20	1.141	1.142	1.148	1.153	1.181	1.185	1.196	1.200	1.205	1.210	1.222	1.227	1.232	1.238	1.243	1.250	1.257	1.265	1.269	1.274	1.276	1.283	1.300	1.310	**22z20**
24z22	1.131	1.132	1.138	1.143	1.172	1.175	1.186	1.190	1.195	1.200	1.212	1.217	1.222	1.227	1.233	1.240	1.247	1.255	1.259	1.263	1.265	1.273	1.289	1.299	**24z22**
25z23	1.127	1.128	1.134	1.139	1.167	1.171	1.181	1.186	1.190	1.196	1.208	1.212	1.217	1.223	1.229	1.235	1.242	1.250	1.254	1.259	1.261	1.268	1.285	1.294	**25z23**
26z24	1.123	1.125	1.130	1.135	1.164	1.167	1.178	1.182	1.186	1.192	1.204	1.208	1.213	1.219	1.225	1.231	1.238	1.246	1.250	1.255	1.257	1.264	1.280	1.290	**26z24**
28z26	1.117	1.118	1.124	1.129	1.157	1.160	1.171	1.175	1.179	1.185	1.197	1.201	1.206	1.212	1.217	1.224	1.231	1.238	1.243	1.247	1.249	1.256	1.273	1.282	**28z26**
29z27	1.114	1.115	1.121	1.126	1.154	1.157	1.167	1.172	1.176	1.181	1.193	1.198	1.203	1.208	1.214	1.221	1.228	1.235	1.239	1.244	1.246	1.253	1.269	1.279	**29z27**
22z21	1.086	1.087	1.093	1.098	1.125	1.128	1.139	1.143	1.147	1.152	1.164	1.168	1.173	1.179	1.184	1.190	1.197	1.205	1.209	1.213	1.215	1.222	1.238	1.247	**22z21**
27z26	1.077	1.078	1.084	1.088	1.115	1.118	1.129	1.133	1.137	1.142	1.154	1.158	1.163	1.168	1.174	1.180	1.187	1.194	1.198	1.203	1.205	1.212	1.227	1.236	**27z26**
28z27	1.075	1.076	1.082	1.087	1.114	1.117	1.127	1.131	1.136	1.141	1.152	1.157	1.161	1.167	1.172	1.178	1.185	1.193	1.197	1.201	1.203	1.210	1.226	1.235	**28z27**
28z28	1.037	1.038	1.043	1.048	1.074	1.077	1.087	1.091	1.095	1.100	1.111	1.115	1.120	1.125	1.130	1.136	1.143	1.150	1.154	1.158	1.160	1.167	1.182	1.190	**28z28**
27z28	1.000	1.001	1.006	1.011	1.036	1.038	1.048	1.052	1.056	1.061	1.071	1.076	1.080	1.085	1.090	1.096	1.102	1.109	1.113	1.117	1.119	1.125	1.140	1.148	**27z28**
26z27	0.999	1.000	1.005	1.009	1.034	1.037	1.047	1.051	1.054	1.059	1.070	1.074	1.079	1.083	1.089	1.094	1.101	1.107	1.111	1.115	1.117	1.123	1.138	1.146	**26z27**
22z23	0.992	0.993	0.998	1.002	1.027	1.030	1.040	1.044	1.047	1.052	1.063	1.067	1.071	1.076	1.081	1.087	1.093	1.100	1.104	1.108	1.110	1.116	1.130	1.139	**22z23**
20z21	0.988	0.989	0.994	0.998	1.023	1.026	1.035	1.039	1.043	1.048	1.058	1.062	1.067	1.071	1.077	1.082	1.089	1.095	1.099	1.103	1.105	1.111	1.126	1.134	**20z21**
27z29	0.966	0.966	0.972	0.976	1.000	1.003	1.012	1.016	1.019	1.024	1.034	1.038	1.043	1.047	1.052	1.058	1.064	1.071	1.074	1.078	1.080	1.086	1.100	1.108	**27z29**
23z25	0.954	0.955	0.960	0.964	0.988	0.991	1.000	1.004	1.007	1.012	1.022	1.026	1.030	1.035	1.040	1.045	1.052	1.058	1.062	1.065	1.067	1.073	1.087	1.095	**23z25**
21z23	0.947	0.948	0.953	0.957	0.981	0.983	0.992	0.996	1.000	1.004	1.014	1.018	1.023	1.027	1.032	1.038	1.044	1.050	1.054	1.057	1.059	1.065	1.079	1.087	**21z23**
20z22	0.943	0.944	0.949	0.953	0.976	0.979	0.988	0.992	0.995	1.000	1.010	1.014	1.018	1.023	1.028	1.033	1.039	1.045	1.049	1.053	1.055	1.061	1.074	1.082	**20z22**
26z29	0.930	0.931	0.936	0.940	0.963	0.966	0.975	0.978	0.982	0.986	0.996	1.000	1.004	1.009	1.013	1.019	1.025	1.031	1.034	1.038	1.040	1.046	1.060	1.067	**26z29**
22z25	0.913	0.913	0.918	0.922	0.945	0.948	0.957	0.960	0.964	0.968	0.978	0.982	0.986	0.990	0.995	1.000	1.006	1.012	1.015	1.019	1.021	1.027	1.040	1.048	**22z25**
20z23	0.902	0.903	0.907	0.911	0.934	0.936	0.945	0.949	0.952	0.957	0.966	0.970	0.974	0.978	0.983	0.988	0.994	1.000	1.003	1.007	1.009	1.014	1.028	1.035	**20z23**
26z30	0.899	0.900	0.904	0.908	0.931	0.933	0.942	0.946	0.949	0.953	0.963	0.967	0.971	0.975	0.980	0.985	0.991	0.997	1.000	1.004	1.005	1.011	1.024	1.032	**26z30**

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Gear Sets Must Remain in Vertical Colums *******ULTIMATE "Z" RATIO CHART***** **Gear Sets Must Remain in Vertical Columns**

	25z30	20/24	24/29	19z23	22/27	21/26	25z31	20/25	19z24	18/23	25z32	21/27	24/31	20/26	19z25	24/32 21/28	23z31	20/27	22z30	19z26	24/33	18z25	23/32	23/33	
38z14	3.257	3.257	3.280	3.287	3.331	3.361	3.366	3.393	3.428	3.468	3.474	3.490	3.506	3.529	3.572	3.619	3.659	3.664	3.702	3.713	3.732	3.770	3.776	3.894	**38z14**
43z16	3.225	3.225	3.247	3.255	3.298	3.327	3.333	3.359	3.394	3.434	3.440	3.455	3.471	3.494	3.537	3.583	3.623	3.628	3.666	3.677	3.695	3.733	3.739	3.856	**43z16**
40z15	3.200	3.200	3.222	3.229	3.273	3.302	3.307	3.333	3.368	3.407	3.413	3.429	3.444	3.467	3.509	3.556	3.595	3.600	3.637	3.648	3.667	3.704	3.710	3.826	**40z15**
37z14	3.171	3.171	3.193	3.200	3.244	3.272	3.277	3.304	3.338	3.377	3.383	3.398	3.414	3.436	3.478	3.524	3.563	3.568	3.605	3.615	3.634	3.671	3.677	3.792	**37z14**
41z16	3.075	3.075	3.096	3.103	3.145	3.173	3.178	3.203	3.236	3.274	3.280	3.295	3.310	3.331	3.372	3.417	3.454	3.459	3.495	3.506	3.523	3.559	3.565	3.677	**41z16**
38z15	3.040	3.040	3.061	3.068	3.109	3.137	3.141	3.167	3.200	3.237	3.243	3.257	3.272	3.293	3.334	3.378	3.415	3.420	3.455	3.466	3.483	3.519	3.525	3.635	**38z15**
40z16	3.000	3.000	3.021	3.028	3.068	3.095	3.100	3.125	3.158	3.194	3.200	3.214	3.229	3.250	3.290	3.333	3.370	3.375	3.410	3.420	3.438	3.473	3.478	3.587	**40z16**
37z15	2.960	2.960	2.981	2.987	3.027	3.054	3.059	3.083	3.115	3.152	3.157	3.171	3.186	3.207	3.246	3.289	3.325	3.330	3.365	3.374	3.392	3.426	3.432	3.539	**37z15**
39z16	2.925	2.925	2.945	2.952	2.991	3.018	3.023	3.047	3.079	3.115	3.120	3.134	3.148	3.169	3.208	3.250	3.286	3.291	3.325	3.335	3.352	3.386	3.391	3.497	**39z16**
41z17	2.894	2.894	2.914	2.921	2.960	2.986	2.991	3.015	3.046	3.082	3.087	3.101	3.115	3.135	3.174	3.216	3.251	3.256	3.290	3.299	3.316	3.350	3.355	3.460	**41z17**
36z15	2.880	2.880	2.900	2.906	2.945	2.971	2.976	3.000	3.031	3.067	3.072	3.086	3.100	3.120	3.158	3.200	3.235	3.240	3.274	3.283	3.300	3.334	3.339	3.444	**36z15**
38z16	2.850	2.850	2.870	2.876	2.915	2.940	2.945	2.969	3.000	3.035	3.040	3.054	3.068	3.088	3.126	3.167	3.202	3.206	3.240	3.249	3.266	3.299	3.304	3.408	**38z16**
40z17	2.824	2.824	2.843	2.849	2.888	2.913	2.918	2.941	2.972	3.007	3.012	3.025	3.039	3.059	3.096	3.137	3.172	3.176	3.209	3.219	3.235	3.268	3.274	3.376	**40z17**
35z15	2.800	2.800	2.819	2.826	2.864	2.889	2.893	2.917	2.947	2.981	2.987	3.000	3.014	3.033	3.071	3.111	3.145	3.150	3.183	3.192	3.208	3.241	3.246	3.348	**35z15**
37z16	2.775	2.775	2.794	2.800	2.838	2.863	2.868	2.891	2.921	2.955	2.960	2.973	2.987	3.006	3.043	3.083	3.117	3.122	3.154	3.164	3.180	3.212	3.217	3.318	**37z16**
39z17	2.753	2.753	2.772	2.778	2.816	2.840	2.845	2.868	2.897	2.931	2.936	2.950	2.963	2.982	3.019	3.059	3.092	3.097	3.129	3.138	3.154	3.187	3.192	3.292	**39z17**
34z15	2.720	2.720	2.739	2.745	2.782	2.806	2.811	2.833	2.863	2.896	2.901	2.914	2.928	2.947	2.983	3.022	3.055	3.060	3.092	3.101	3.117	3.148	3.154	3.252	**34z15**
36z16	2.700	2.700	2.719	2.725	2.761	2.786	2.790	2.813	2.842	2.875	2.880	2.893	2.906	2.925	2.961	3.000	3.033	3.038	3.069	3.078	3.094	3.125	3.130	3.228	**36z16**
38z17	2.682	2.682	2.701	2.707	2.743	2.768	2.772	2.794	2.823	2.856	2.861	2.874	2.887	2.906	2.942	2.980	3.013	3.018	3.049	3.058	3.074	3.105	3.110	3.207	**38z17**
33z15	2.640	2.640	2.658	2.664	2.700	2.724	2.728	2.750	2.779	2.811	2.816	2.829	2.842	2.860	2.895	2.933	2.966	2.970	3.001	3.010	3.025	3.056	3.061	3.157	**33z15**
39z18	2.600	2.600	2.618	2.624	2.659	2.683	2.687	2.708	2.736	2.769	2.773	2.786	2.799	2.817	2.851	2.889	2.921	2.925	2.955	2.964	2.979	3.009	3.014	3.109	**39z18**
32z15	2.560	2.560	2.578	2.583	2.618	2.641	2.645	2.667	2.694	2.726	2.731	2.743	2.756	2.773	2.807	2.844	2.876	2.880	2.910	2.918	2.933	2.963	2.968	3.061	**32z15**
38z18	2.533	2.533	2.551	2.557	2.591	2.614	2.618	2.639	2.666	2.698	2.702	2.714	2.727	2.744	2.778	2.815	2.846	2.850	2.880	2.888	2.903	2.932	2.937	3.029	**38z18**
31z15	2.480	2.480	2.497	2.503	2.536	2.559	2.563	2.583	2.610	2.641	2.645	2.657	2.669	2.687	2.720	2.756	2.786	2.790	2.819	2.827	2.842	2.871	2.875	2.965	**31z15**
33z16	2.475	2.475	2.492	2.498	2.531	2.554	2.558	2.578	2.605	2.635	2.640	2.652	2.664	2.681	2.714	2.750	2.780	2.784	2.813	2.822	2.836	2.865	2.870	2.959	**33z16**
37z18	2.467	2.467	2.484	2.489	2.523	2.545	2.549	2.569	2.596	2.627	2.631	2.643	2.655	2.672	2.705	2.741	2.771	2.775	2.804	2.812	2.826	2.855	2.860	2.949	**37z18**
32z16	2.400	2.400	2.417	2.422	2.455	2.476	2.480	2.500	2.526	2.556	2.560	2.571	2.583	2.600	2.632	2.667	2.696	2.700	2.728	2.736	2.750	2.778	2.783	2.870	**32z16**
38z19	2.400	2.400	2.417	2.422	2.455	2.476	2.480	2.500	2.526	2.556	2.560	2.571	2.583	2.600	2.632	2.667	2.696	2.700	2.728	2.736	2.750	2.778	2.783	2.870	**38z19**
37z19	2.337	2.337	2.353	2.358	2.390	2.411	2.415	2.434	2.460	2.488	2.493	2.504	2.515	2.532	2.563	2.596	2.625	2.629	2.656	2.664	2.678	2.705	2.709	2.794	**37z19**
31z16	2.325	2.325	2.341	2.346	2.378	2.399	2.403	2.422	2.447	2.476	2.480	2.491	2.503	2.519	2.550	2.583	2.612	2.616	2.643	2.651	2.664	2.691	2.696	2.780	**31z16**
29z15	2.320	2.320	2.336	2.341	2.373	2.394	2.397	2.417	2.442	2.470	2.475	2.486	2.497	2.513	2.544	2.578	2.606	2.610	2.637	2.645	2.658	2.685	2.690	2.774	**29z15**
36z19	2.274	2.274	2.289	2.295	2.325	2.346	2.349	2.368	2.393	2.421	2.425	2.436	2.447	2.463	2.493	2.526	2.554	2.558	2.584	2.592	2.605	2.632	2.636	2.719	**36z19**
30z16	2.250	2.250	2.266	2.271	2.301	2.321	2.325	2.344	2.368	2.396	2.400	2.411	2.422	2.438	2.468	2.500	2.528	2.531	2.558	2.565	2.578	2.604	2.609	2.690	**30z16**
28z15	2.240	2.240	2.256	2.261	2.291	2.311	2.315	2.333	2.358	2.385	2.389	2.400	2.411	2.427	2.457	2.489	2.516	2.520	2.546	2.554	2.567	2.593	2.597	2.678	**28z15**
37z20	2.220	2.220	2.235	2.240	2.270	2.290	2.294	2.313	2.337	2.364	2.368	2.379	2.390	2.405	2.435	2.467	2.494	2.498	2.523	2.531	2.544	2.570	2.574	2.654	**37z20**
35z19	2.211	2.211	2.226	2.231	2.261	2.281	2.284	2.303	2.327	2.354	2.358	2.368	2.379	2.395	2.424	2.456	2.483	2.487	2.513	2.520	2.533	2.559	2.563	2.643	**35z19**
33z18	2.200	2.200	2.215	2.220	2.250	2.270	2.273	2.292	2.316	2.343	2.347	2.357	2.368	2.383	2.413	2.444	2.471	2.475	2.501	2.508	2.521	2.547	2.551	2.630	**33z18**
31z17	2.188	2.188	2.203	2.208	2.238	2.258	2.261	2.279	2.303	2.330	2.334	2.345	2.355	2.371	2.400	2.431	2.458	2.462	2.487	2.495	2.507	2.533	2.537	2.616	**31z17**
29z16	2.175	2.175	2.190	2.195	2.224	2.244	2.248	2.266	2.289	2.316	2.320	2.330	2.341	2.356	2.385	2.417	2.443	2.447	2.472	2.480	2.492	2.518	2.522	2.601	**29z16**
36z20	2.160	2.160	2.175	2.180	2.209	2.229	2.232	2.250	2.273	2.300	2.304	2.314	2.325	2.340	2.369	2.400	2.426	2.430	2.455	2.462	2.475	2.500	2.504	2.583	**36z20**
34z19	2.147	2.147	2.162	2.167	2.196	2.216	2.219	2.237	2.260	2.287	2.291	2.301	2.311	2.326	2.355	2.386	2.412	2.416	2.441	2.448	2.461	2.486	2.490	2.568	**34z19**
25z14	2.143	2.143	2.158	2.163	2.192	2.211	2.214	2.232	2.255	2.282	2.286	2.296	2.307	2.321	2.350	2.381	2.407	2.411	2.436	2.443	2.455	2.480	2.484	2.562	**25z14**
32z18	2.133	2.133	2.148	2.153	2.182	2.201	2.204	2.222	2.245	2.272	2.276	2.286	2.296	2.311	2.340	2.370	2.396	2.400	2.425	2.432	2.444	2.469	2.473	2.551	**32z18**
30z17	2.118	2.118	2.132	2.137	2.166	2.185	2.188	2.206	2.229	2.255	2.259	2.269	2.279	2.294	2.322	2.353	2.379	2.382	2.407	2.414	2.426	2.451	2.455	2.532	**30z17**
35z20	2.100	2.100	2.115	2.119	2.148	2.167	2.170	2.188	2.210	2.236	2.240	2.250	2.260	2.275	2.303	2.333	2.359	2.363	2.387	2.394	2.406	2.431	2.435	2.511	**35z20**
26z15	2.080	2.080	2.094	2.099	2.127	2.146	2.149	2.167	2.189	2.215	2.219	2.229	2.239	2.253	2.281	2.311	2.337	2.340	2.364	2.371	2.383	2.408	2.412	2.487	**26z15**
31z18	2.067	2.067	2.081	2.086	2.114	2.132	2.136	2.153	2.175	2.201	2.204	2.214	2.225	2.239	2.266	2.296	2.322	2.325	2.349	2.356	2.368	2.392	2.396	2.471	**31z18**
36z21	2.057	2.057	2.071	2.076	2.104	2.122	2.126	2.143	2.165	2.190	2.194	2.204	2.214	2.229	2.256	2.286	2.311	2.314	2.338	2.345	2.357	2.381	2.385	2.460	**36z21**
29z17	2.047	2.047	2.061	2.066	2.094	2.112	2.115	2.132	2.155	2.180	2.184	2.193	2.203	2.218	2.245	2.275	2.300	2.303	2.327	2.334	2.346	2.369	2.373	2.448	**29z17**
34z20	2.040	2.040	2.054	2.059	2.086	2.105	2.108	2.125	2.147	2.172	2.176	2.186	2.196	2.210	2.237	2.267	2.292	2.295	2.319	2.326	2.338	2.361	2.365	2.439	**34z20**
27z16	2.025	2.025	2.039	2.044	2.071	2.089	2.093	2.109	2.131	2.156	2.160	2.170	2.180	2.194	2.221	2.250	2.275	2.278	2.302	2.309	2.320	2.344	2.348	2.421	**27z16**
35z21	2.000	2.000	2.014	2.018	2.045	2.063	2.067	2.083	2.105	2.130	2.133	2.143	2.153	2.167	2.193	2.222	2.247	2.250	2.273	2.280	2.292	2.315	2.319	2.391	**35z21**
28z17	1.976	1.976	1.990	1.995	2.021	2.039	2.042	2.059	2.080	2.105	2.108	2.118	2.127	2.141	2.168	2.196	2.220	2.224	2.247	2.253	2.265	2.288	2.292	2.363	**28z17**
26z16	1.950	1.950	1.964	1.968	1.994	2.012	2.015	2.031	2.052	2.076	2.080	2.089	2.099	2.113	2.139	2.167	2.191	2.194	2.217	2.223	2.234	2.257	2.261	2.332	**26z16**
34z21	1.943	1.943	1.956	1.961	1.987	2.005	2.008	2.024	2.045	2.069	2.072	2.082	2.091	2.105	2.131	2.159	2.182	2.186	2.208	2.215	2.226	2.249	2.253	2.323	**34z21**
35z22	1.909	1.909	1.922	1.927	1.952	1.970	1.973	1.989	2.009	2.033	2.036	2.045	2.055	2.068	2.094	2.121	2.145	2.148	2.170	2.176	2.187	2.210	2.213	2.283	**35z22**
27z17	1.906	1.906	1.919	1.923	1.949	1.966	1.969	1.985	2.006	2.029	2.033	2.042	2.051	2.065	2.090	2.118	2.141	2.144	2.166	2.173	2.184	2.206	2.210	2.279	**27z17**
33z21	1.886	1.886	1.899	1.903	1.929	1.946	1.949	1.964	1.985	2.008	2.011	2.020	2.030	2.043	2.068	2.095	2.118	2.121	2.143	2.150	2.161	2.183	2.186	2.255	**33z21**
25z16	1.875	1.875	1.888	1.892	1.918	1.935	1.938	1.953	1.973	1.997	2.000	2.009	2.018	2.031	2.056	2.083	2.106	2.109	2.131	2.138	2.148	2.170	2.174	2.242	**25z16**
28z18	1.867	1.867	1.880	1.884	1.909	1.926	1.929	1.944	1.965	1.988	1.991	2.000	2.009	2.022	2.047	2.074	2.097	2.100	2.122	2.128	2.139	2.161	2.164	2.232	**28z18**
34z22	1.855	1.855	1.867	1.872	1.897	1.913	1.916	1.932	1.952	1.975	1.978	1.987	1.996	2.009	2.034	2.061	2.083	2.086	2.108	2.114	2.125	2.147	2.150	2.217	**34z22**
26z17	1.835	1.835	1.848	1.852	1.877	1.894	1.896	1.912	1.932	1.954	1.958	1.966	1.975	1.988	2.013	2.039	2.062	2.065	2.086	2.092	2.103	2.124	2.128	2.194	**26z17**
33z22	1.800	1.800	1.812	1.817	1.841	1.857	1.860	1.875	1.895	1.917	1.920	1.929	1.937	1.950	1.974	2.000	2.022	2.025	2.046	2.052	2.063	2.084	2.087	2.152	**33z22**
28z19	1.768	1.768	1.781	1.785	1.809	1.825	1.827	1.842	1.861	1.883	1.886	1.895	1.904	1.916	1.939	1.965	1.987	1.989	2.010	2.016	2.026	2.047	2.050	2.114	**28z19**
25z17	1.765	1.765	1.777	1.781	1.805	1.821	1.824	1.838	1.857	1.879	1.882	1.891	1.900	1.912	1.935	1.961	1.982	1.985	2.006	2.012	2.022	2.043	2.046	2.110	**25z17**
32z22	1.745	1.745	1.758	1.761	1.785	1.801	1.804	1.818	1.837	1.859	1.862	1.870	1.879	1.891	1.914	1.939	1.961	1.964	1.984	1.990	2.000	2.020	2.024	2.087	**32z22**
29z20	1.740	1.740	1.752	1.756	1.780	1.795	1.798	1.813	1.831	1.853	1.856	1.864	1.873	1.885	1.908	1.933	1.955	1.958	1.978	1.984	1.994	2.014	2.017	2.080	**29z20**
26z18	1.733	1.733	1.745	1.749	1.773	1.788	1.791	1.806	1.824	1.846	1.849	1.857	1.866	1.878	1.901	1.926	1.947	1.950	1.970	1.976	1.986	2.006	2.010	2.072	**26z18**
33z23	1.722	1.722	1.734	1.738	1.761	1.776	1.779	1.793	1.812	1.833	1.837	1.845	1.853	1.865	1.888	1.913	1.934	1.937	1.957	1.963	1.973	1.993	1.996	2.059	**33z23**
27z19	1.705	1.705	1.717	1.721	1.744	1.759	1.762	1.776	1.795	1.816	1.819	1.827	1.836	1.847	1.870	1.895	1.916	1.918	1.938	1.944	1.954	1.974	1.977	2.039	**27z19**
34z24	1.700	1.700	1.712	1.716	1.739	1.754	1.757	1.771	1.789	1.810	1.813	1.821	1.830	1.842	1.864	1.889	1.910	1.913	1.932	1.938	1.948	1.968	1.971	2.033	**34z24**
24z17	1.694	1.694	1.706	1.710	1.733	1.748	1.751	1.765	1.783	1.804	1.807	1.815	1.824	1.835	1.858	1.882	1.903	1.906	1.926	1.931	1.941	1.961	1.964	2.026	**24z17**
28z20	1.680	1.680	1.692	1.695	1.718	1.733	1.736	1.750	1.768	1.789	1.792	1.800	1.808	1.820	1.842	1.867	1.887	1.890	1.910	1.915	1.925	1.945	1.948	2.009	**28z20**
32z23	1.670	1.670	1.681	1.685	1.708	1.723	1.725	1.739	1.757	1.778	1.781	1.789	1.797	1.809	1.831	1.855	1.875	1.878	1.898	1.903	1.913	1.933	1.936	1.996	**32z23**
25z18	1.667	1.667	1.678	1.682	1.705	1.720	1.722	1.736	1.754	1.775	1.778	1.786	1.794	1.806	1.828	1.852	1.872	1.875	1.894	1.900	1.910	1.929	1.932	1.993	**25z18**
29z21	1.657	1.657	1.669	1.672	1.695	1.710	1.712	1.726	1.744	1.765	1.768	1.776	1.784	1.795	1.817	1.841	1.862	1.864	1.884	1.889	1.899	1.918	1.921	1.981	**29z21**
33z24	1.650	1.650	1.661	1.665	1.687	1.702	1.705	1.719	1.737	1.757	1.760	1.768	1.776	1.788	1.810	1.833	1.854	1.856	1.876	1.881	1.891	1.910	1.913	1.973	**33z24**
26z19	1.642	1.642	1.654	1.657	1.679	1.694	1.697	1.711	1.728	1.749	1.752	1.759	1.768	1.779	1.801	1.825	1.845	1.847	1.867	1.872	1.882	1.901	1.904	1.963	**26z19**
30z22	1.636	1.636	1.648	1.651	1.674	1.688	1.691	1.705	1.722	1.742	1.745	1.753	1.761	1.773	1.795	1.818	1.838	1.841	1.860	1.865	1.875	1.894	1.897	1.957	**30z22**
34z25	1.632	1.632	1.643	1.647	1.669	1.684	1.686	1.700	1.718	1.738	1.741	1.749	1.757	1.768	1.790	1.813	1.833	1.836	1.855	1.860	1.870	1.889	1.892	1.951	**34z25**
27z20	1.620	1.620	1.631	1.635	1.657	1.671	1.674	1.688	1.705	1.725	1.728	1.736	1.744	1.755	1.777	1.800	1.820	1.823	1.841	1.847	1.856	1.875	1.878	1.937	**27z20**
31z23	1.617	1.617	1.629	1.632	1.654	1.669	1.671	1.685	1.702	1.722	1.725	1.733	1.741	1.752	1.774	1.797	1.817	1.820	1.838	1.844	1.853	1.872	1.875	1.934	**31z23**
28z21	1.600	1.600	1.611	1.615	1.636	1.651	1.653	1.667	1.684	1.704	1.707	1.714	1.722	1.733	1.755	1.778	1.797	1.800	1.819	1.824	1.833	1.852	1.855	1.913	**28z21**
32z24	1.600	1.600	1.611	1.615	1.636	1.651	1.653	1.667	1.684	1.704	1.707	1.714	1.722	1.733	1.755	1.778	1.797	1.800	1.819	1.824	1.833	1.852	1.855	1.913	**32z24**
25z19	1.579	1.579	1.590	1.593	1.615	1.629	1.632	1.645	1.662	1.681	1.684	1.692	1.700	1.711	1.732	1.754	1.774	1.776	1.795	1.800	1.809	1.828	1.831	1.888	**25z19**
26z20	1.560	1.560	1.571	1.574	1.595	1.610	1.612	1.625	1.642	1.661	1.664	1.671	1.679	1.690	1.711	1.733	1.752	1.755	1.773	1.778	1.788	1.806	1.809	1.865	**26z20**
31z24	1.550	1.550	1.561	1.564	1.585	1.599	1.602	1.615	1.631	1.650	1.653	1.661	1.668	1.679	1.700	1.722	1.741	1.744	1.762	1.767	1.776	1.794	1.797	1.853	**31z24**
27z21	1.543	1.543	1.554	1.557	1.578	1.592	1.594	1.607	1.624	1.643	1.646	1.653	1.661	1.671	1.692	1.714	1.733	1.736	1.754	1.759	1.768	1.786	1.789	1.845	**27z21**
32z25	1.536	1.536	1.547	1.550	1.571	1.585	1.587	1.600	1.617	1.636	1.638	1.646	1.653	1.664	1.684	1.707	1.725	1.728	1.746	1.751	1.760	1.778	1.781	1.837	**32z25**
23z18	1.533	1.533	1.544	1.547	1.568	1.582	1.584	1.597	1.614	1.633	1.636	1.643	1.650	1.661	1.682	1.704	1.722	1.725	1.743	1.748	1.757	1.775	1.778	1.833	**23z18**
24z19	1.516	1.516	1.526	1.530	1.550	1.564	1.566	1.579	1.595	1.614	1.617	1.624	1.632	1.642	1.662	1.684	1.703	1.705	1.723	1.728	1.737	1.755	1.757	1.812	**24z19**
25z20	1.500	1.500	1.510	1.514	1.534	1.548	1.550	1.563	1.579	1.597	1.600	1.607	1.615	1.625	1.645	1.667	1.685	1.688	1.705	1.710	1.719	1.736	1.739	1.794	**25z20**
31z25	1.488	1.488	1.498	1.502	1.522	1.535	1.538	1.550	1.566	1.584	1.587	1.594	1.602	1.612	1.632	1.653	1.672	1.674	1.691	1.696	1.705	1.722	1.725	1.779	**31z25**
26z21	1.486	1.486	1.496	1.499	1.519	1.533	1.535	1.548	1.564	1.582	1.585	1.592	1.599	1.610	1.629	1.651	1.669	1.671	1.689	1.694	1.702	1.720	1.723	1.776	**26z21**
23z19	1.453	1.453	1.463	1.466	1.486	1.499	1.501	1.513	1.529	1.547	1.549	1.556	1.564	1.574	1.593	1.614	1.632	1.634	1.651	1.656	1.664	1.681	1.684	1.737	**23z19**
30z25	1.440	1.440	1.450	1.453	1.473	1.486	1.488	1.500	1.516	1.533	1.536	1.543	1.550	1.560	1.579	1.600	1.618	1.620	1.637	1.642	1.650	1.667	1.670	1.722	**30z25**
25z21	1.429	1.429	1.438	1.442	1.461	1.474	1.476	1.488	1.504	1.521	1.524	1.531	1.538	1.548	1.567	1.587	1.605	1.607	1.624	1.629	1.637	1.654	1.656	1.708	**25z21**
22z19	1.389	1.389	1.399	1.402	1.421	1.434	1.436	1.447	1.462	1.480	1.482	1.489	1.496	1.505	1.524	1.544	1.561	1.563	1.579	1.584	1.592	1.608	1.611	1.661	**22z19**
30z26	1.385	1.385	1.394	1.397	1.416	1.429	1.431	1.442	1.457	1.474	1.477	1.484	1.490	1.500	1.518	1.538	1.555	1.558	1.574	1.578	1.587	1.603	1.605	1.656	**30z26**
24z21	1.371	1.371	1.381	1.384	1.403	1.415	1.417	1.429	1.443	1.460	1.463	1.469	1.476	1.486	1.504	1.524	1.541	1.543	1.559	1.563	1.571	1.587	1.590	1.640	**24z21**
25z22	1.364	1.364	1.373	1.376	1.395	1.407	1.409	1.420	1.435	1.452	1.455	1.461	1.468	1.477	1.495	1.515	1.532	1.534	1.550	1.555	1.562	1.578	1.581	1.630	**25z22**
27z24	1.350	1.350	1.359	1.362	1.381	1.393	1.395	1.406	1.421	1.438	1.440	1.446	1.453	1.463	1.481	1.500	1.517	1.519	1.535	1.539	1.547	1.563	1.565	1.614	**27z24**
28z25	1.344	1.344	1.353	1.356	1.375	1.387	1.389	1.400	1.415	1.431	1.434	1.440	1.447	1.456	1.474	1.493	1.510	1.512	1.528	1.532	1.540	1.556	1.558	1.607	**28z25**
29z26	1.338	1.338	1.348	1.351	1.369	1.381	1.383	1.394	1.409	1.425	1.428	1.434	1.441	1.450	1.468	1.487	1.504	1.506	1.521	1.526	1.534	1.549	1.552	1.600	**29z26**
30z27	1.333	1.333	1.343	1.346	1.364	1.376	1.378	1.389	1.403	1.420	1.422	1.429	1.435	1.444	1.462	1.481	1.498	1.500	1.516	1.520	1.528	1.543	1.546	1.594	**30z27**
31z28	1.329	1.329	1.338	1.341	1.359	1.371	1.373	1.384	1.398	1.415	1.417	1.423	1.430	1.439	1.457	1.476	1.492	1.495	1.510	1.515	1.522	1.538	1.540	1.589	**31z28**
22z20	1.320	1.320	1.329	1.332	1.350	1.362	1.364	1.375	1.389	1.406	1.408	1.414	1.421	1.430	1.448	1.467	1.483	1.485	1.500	1.505	1.513	1.528	1.530	1.578	**22z20**
24z22	1.309	1.309	1.318	1.321	1.339	1.351	1.353	1.364	1.378	1.394	1.396	1.403	1.409	1.418	1.436	1.455	1.471	1.473	1.488	1.492	1.500	1.515	1.518	1.565	**24z22**
25z23	1.304	1.304	1.313	1.316	1.334	1.346	1.348	1.359	1.373	1.389	1.391	1.398	1.404	1.413	1.430	1.449	1.465	1.467	1.483	1.487	1.495	1.510	1.512	1.560	**25z23**
26z24	1.300	1.300	1.309	1.312	1.330	1.341	1.343	1.354	1.368	1.384	1.387	1.393	1.399	1.408	1.426	1.444	1.460	1.463	1.478	1.482	1.490	1.505	1.507	1.554	**26z24**
28z26	1.292	1.292	1.301	1.304	1.322	1.333	1.335	1.346	1.360	1.376	1.378	1.385	1.391	1.400	1.417	1.436	1.452	1.454	1.469	1.473	1.481	1.496	1.498	1.545	**28z26**
29z27	1.289	1.289	1.298	1.301	1.318	1.330	1.332	1.343	1.357	1.372	1.375	1.381	1.387	1.396	1.413	1.432	1.448	1.450	1.465	1.469	1.477	1.492	1.494	1.541	**29z27**
22z21	1.257	1.257	1.266	1.269	1.286	1.297	1.299	1.310	1.323	1.339	1.341	1.347	1.353	1.362	1.379	1.397	1.412	1.414	1.429	1.433	1.440	1.455	1.458	1.503	**22z21**
27z26	1.246	1.246	1.255	1.258	1.274	1.286	1.288	1.298	1.312	1.327	1.329	1.335	1.341	1.350	1.367	1.385	1.400	1.402	1.416	1.421	1.428	1.442	1.445	1.490	**27z26**
28z27	1.244	1.244	1.253	1.256	1.273	1.284	1.286	1.296	1.310	1.325	1.327	1.333	1.340	1.348	1.365	1.383	1.398	1.400	1.415	1.419	1.426	1.440	1.443	1.488	**28z27**
28z28	1.200	1.200	1.208	1.211	1.227	1.238	1.240	1.250	1.263	1.278	1.280	1.286	1.292	1.300	1.316	1.333	1.348	1.350	1.364	1.368	1.375	1.389	1.391	1.435	**28z28**
27z28	1.157	1.157	1.165	1.168	1.183	1.194	1.196	1.205	1.218	1.232	1.234	1.240	1.246	1.254	1.269	1.286	1.300	1.302	1.315	1.319	1.326	1.339	1.342	1.384	**27z28**
26z27	1.156	1.156	1.164	1.166	1.182	1.192	1.194	1.204	1.216	1.230	1.233	1.238	1.244	1.252	1.267	1.284	1.298	1.300	1.313	1.317	1.324	1.338	1.340	1.382	**26z27**
22z23	1.148	1.148	1.156	1.158	1.174	1.184	1.186	1.196	1.208	1.222	1.224	1.230	1.236	1.243	1.259	1.275	1.289	1.291	1.305	1.309	1.315	1.329	1.331	1.372	**22z23**
20z21	1.143	1.143	1.151	1.153	1.169	1.179	1.181	1.190	1.203	1.217	1.219	1.224	1.230	1.238	1.253	1.270	1.284	1.286	1.299	1.303	1.310	1.323	1.325	1.366	**20z21**
27z29	1.117	1.117	1.125	1.127	1.143	1.153	1.154	1.164	1.176	1.190	1.192	1.197	1.203	1.210	1.225	1.241	1.255	1.257	1.270	1.274	1.280	1.293	1.295	1.336	**27z29**
23z25	1.104	1.104	1.112	1.114	1.129	1.139	1.141	1.150	1.162	1.176	1.178	1.183	1.188	1.196	1.211	1.227	1.240	1.242	1.255	1.259	1.265	1.278	1.280	1.320	**23z25**
21z23	1.096	1.096	1.103	1.106	1.121	1.130	1.132	1.141	1.153	1.167	1.169	1.174	1.179	1.187	1.202	1.217	1.231	1.233	1.245	1.249	1.255	1.268	1.270	1.310	**21z23**
20z22	1.091	1.091	1.098	1.101	1.116	1.126	1.127	1.136	1.148	1.162	1.164	1.169	1.174	1.182	1.196	1.212	1.225	1.227	1.240	1.244	1.250	1.263	1.265	1.304	**20z22**
26z29	1.076	1.076	1.083	1.086	1.100	1.110	1.112	1.121	1.132	1.146	1.148	1.153	1.158	1.166	1.180	1.195	1.209	1.210	1.223	1.226	1.233	1.245	1.247	1.286	**26z29**
22z25	1.056	1.056	1.063	1.066	1.080	1.090	1.091	1.100	1.111	1.124	1.126	1.131	1.137	1.144	1.158	1.173	1.186	1.188	1.200	1.204	1.210	1.222	1.224	1.263	**22z25**
20z23	1.043	1.043	1.051	1.053	1.067	1.077	1.078	1.087	1.098	1.111	1.113	1.118	1.123	1.130	1.144	1.159	1.172	1.174	1.186	1.190	1.196	1.208	1.210	1.248	**20z23**
26z30	1.040	1.040	1.047	1.050	1.064	1.073	1.075	1.083	1.095	1.107	1.109	1.114	1.119	1.127	1.141	1.156	1.168	1.170	1.182	1.186	1.192	1.204	1.206	1.243	**26z30**