

<YD-4 GEAR RATIO (48 pitch)>

2nd RATIO		SPUR GEAR																																			
		51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
PINION GEAR	17	7.059	7.197	7.336	7.474	7.612	7.751	7.889	8.028	8.166	8.304	8.443	8.581	8.720	8.858	8.997	9.135	9.273	9.412	9.550	9.689	9.827	9.965	10.104	10.242	10.381	10.519	10.657	10.796	10.934	11.073	11.211	11.349	11.488	11.626	11.765	11.903
	18	6.667	6.797	6.928	7.059	7.190	7.320	7.451	7.582	7.712	7.843	7.974	8.105	8.235	8.366	8.497	8.627	8.758	8.889	9.020	9.150	9.281	9.412	9.542	9.673	9.804	9.935	10.065	10.196	10.327	10.458	10.588	10.719	10.850	10.980	11.111	11.242
	19	6.316	6.440	6.563	6.687	6.811	6.935	7.059	7.183	7.307	7.430	7.554	7.678	7.802	7.926	8.050	8.173	8.297	8.421	8.545	8.669	8.793	8.916	9.040	9.164	9.288	9.412	9.536	9.659	9.783	9.907	10.031	10.155	10.279	10.402	10.526	10.650
	20	6.000	6.118	6.235	6.353	6.471	6.588	6.706	6.824	6.941	7.059	7.176	7.294	7.412	7.529	7.647	7.765	7.882	8.000	8.118	8.235	8.353	8.471	8.588	8.706	8.824	8.941	9.059	9.176	9.294	9.412	9.529	9.647	9.765	9.882	10.000	10.118
	21	5.714	5.826	5.938	6.050	6.162	6.275	6.387	6.499	6.611	6.723	6.835	6.947	7.059	7.171	7.283	7.395	7.507	7.619	7.731	7.843	7.955	8.067	8.179	8.291	8.403	8.515	8.627	8.739	8.852	8.964	9.076	9.188	9.300	9.412	9.524	9.636
	22	5.455	5.561	5.668	5.775	5.882	5.989	6.096	6.203	6.310	6.417	6.524	6.631	6.738	6.845	6.952	7.059	7.166	7.273	7.380	7.487	7.594	7.701	7.807	7.914	8.021	8.128	8.235	8.342	8.449	8.556	8.663	8.770	8.877	8.984	9.091	9.198
	23	5.217	5.320	5.422	5.524	5.627	5.729	5.831	5.934	6.036	6.138	6.240	6.343	6.445	6.547	6.650	6.752	6.854	6.957	7.059	7.161	7.263	7.366	7.468	7.570	7.673	7.775	7.877	7.980	8.082	8.184	8.286	8.389	8.491	8.593	8.696	8.798
	24	5.000	5.098	5.196	5.294	5.392	5.490	5.588	5.686	5.784	5.882	5.980	6.078	6.176	6.275	6.373	6.471	6.569	6.667	6.765	6.863	6.961	7.059	7.157	7.255	7.353	7.451	7.549	7.647	7.745	7.843	7.941	8.039	8.137	8.235	8.333	8.431
	25	4.800	4.894	4.988	5.082	5.176	5.271	5.365	5.459	5.553	5.647	5.741	5.835	5.929	6.024	6.118	6.212	6.306	6.400	6.494	6.588	6.682	6.776	6.871	6.965	7.059	7.153	7.247	7.341	7.435	7.529	7.624	7.718	7.812	7.906	8.000	8.094
	26	4.615	4.706	4.796	4.887	4.977	5.068	5.158	5.249	5.339	5.430	5.520	5.611	5.701	5.792	5.882	5.973	6.063	6.154	6.244	6.335	6.425	6.516	6.606	6.697	6.787	6.878	6.968	7.059	7.149	7.240	7.330	7.421	7.511	7.602	7.692	7.783
	27	4.444	4.532	4.619	4.706	4.793	4.880	4.967	5.054	5.142	5.229	5.316	5.403	5.490	5.577	5.664	5.752	5.839	5.926	6.013	6.100	6.187	6.275	6.362	6.449	6.536	6.623	6.710	6.797	6.885	6.972	7.059	7.146	7.233	7.320	7.407	7.495
	28	4.286	4.370	4.454	4.538	4.622	4.706	4.790	4.874	4.958	5.042	5.126	5.210	5.294	5.378	5.462	5.546	5.630	5.714	5.798	5.882	5.966	6.050	6.134	6.218	6.303	6.387	6.471	6.555	6.639	6.723	6.807	6.891	6.975	7.059	7.143	7.227
	29	4.138	4.219	4.300	4.381	4.462	4.544	4.625	4.706	4.787	4.868	4.949	5.030	5.112	5.193	5.274	5.355	5.436	5.517	5.598	5.680	5.761	5.842	5.923	6.004	6.085	6.166	6.247	6.329	6.410	6.491	6.572	6.653	6.734	6.815	6.897	6.978
	30	4.000	4.078	4.157	4.235	4.314	4.392	4.471	4.549	4.627	4.706	4.784	4.863	4.941	5.020	5.098	5.176	5.255	5.333	5.412	5.490	5.569	5.647	5.725	5.804	5.882	5.961	6.039	6.118	6.196	6.275	6.353	6.431	6.510	6.588	6.667	6.745
	31	3.871	3.947	4.023	4.099	4.175	4.250	4.326	4.402	4.478	4.554	4.630	4.706	4.782	4.858	4.934	5.009	5.085	5.161	5.237	5.313	5.389	5.465	5.541	5.617	5.693	5.769	5.844	5.920	5.996	6.072	6.148	6.224	6.300	6.376	6.452	6.528
	32	3.750	3.824	3.897	3.971	4.044	4.118	4.191	4.265	4.338	4.412	4.485	4.559	4.632	4.706	4.779	4.853	4.926	5.000	5.074	5.147	5.221	5.294	5.368	5.441	5.515	5.588	5.662	5.735	5.809	5.882	5.956	6.029	6.103	6.176	6.250	6.324
	33	3.636	3.708	3.779	3.850	3.922	3.993	4.064	4.135	4.207	4.278	4.349	4.421	4.492	4.563	4.635	4.706	4.777	4.848	4.920	4.991	5.062	5.134	5.205	5.276	5.348	5.419	5.490	5.561	5.633	5.704	5.775	5.847	5.918	5.989	6.061	6.132
	34	3.529	3.599	3.668	3.737	3.806	3.875	3.945	4.014	4.083	4.152	4.221	4.291	4.360	4.429	4.498	4.567	4.637	4.706	4.775	4.844	4.913	4.983	5.052	5.121	5.190	5.260	5.329	5.398	5.467	5.536	5.606	5.675	5.744	5.813	5.882	5.952
	35	3.429	3.496	3.563	3.630	3.697	3.765	3.832	3.899	3.966	4.034	4.101	4.168	4.235	4.303	4.370	4.437	4.504	4.571	4.639	4.706	4.773	4.840	4.908	4.975	5.042	5.109	5.176	5.244	5.311	5.378	5.445	5.513	5.580	5.647	5.714	5.782
	36	3.333	3.399	3.464	3.529	3.595	3.660	3.725	3.791	3.856	3.922	3.987	4.052	4.118	4.183	4.248	4.314	4.379	4.444	4.510	4.575	4.641	4.706	4.771	4.837	4.902	4.967	5.033	5.098	5.163	5.229	5.294	5.359	5.425	5.490	5.556	5.621
	37	3.243	3.307	3.370	3.434	3.498	3.561	3.625	3.688	3.752	3.816	3.879	3.943	4.006	4.070	4.134	4.197	4.261	4.324	4.388	4.452	4.515	4.579	4.642	4.706	4.769	4.833	4.897	4.960	5.024	5.087	5.151	5.215	5.278	5.342	5.405	5.469
	38	3.158	3.220	3.282	3.344	3.406	3.467	3.529	3.591	3.653	3.715	3.777	3.839	3.901	3.963	4.025	4.087	4.149	4.211	4.272	4.334	4.396	4.458	4.520	4.582	4.644	4.706	4.768	4.830	4.892	4.954	5.015	5.077	5.139	5.201	5.263	5.325
	39	3.077	3.137	3.198	3.258	3.318	3.379	3.439	3.499	3.560	3.620	3.680	3.741	3.801	3.861	3.922	3.982	4.042	4.103	4.163	4.223	4.284	4.344	4.404	4.465	4.525	4.585	4.646	4.706	4.766	4.827	4.887	4.947	5.008	5.068	5.128	5.189
	40	3.000	3.059	3.118	3.176	3.235	3.294	3.353	3.412	3.471	3.529	3.588	3.647	3.706	3.765	3.824	3.882	3.941	4.000	4.059	4.118	4.176	4.235	4.294	4.353	4.412	4.471	4.529	4.588	4.647	4.706	4.765	4.824	4.882	4.941	5.000	5.059
	41	2.927	2.984	3.042	3.099	3.156	3.214	3.271	3.329	3.386	3.443	3.501	3.558	3.615	3.673	3.730	3.788	3.845	3.902	3.960	4.017	4.075	4.132	4.189	4.247	4.304	4.362	4.419	4.476	4.534	4.591	4.648	4.706	4.763	4.821	4.878	4.935
	42	2.857	2.913	2.969	3.025	3.081	3.137	3.193	3.249	3.305	3.361	3.417	3.473	3.529	3.585	3.641	3.697	3.754	3.810	3.866	3.922	3.978	4.034	4.090	4.146	4.202	4.258	4.314	4.370	4.426	4.482	4.538	4.594	4.650	4.706	4.762	4.818
	43	2.791	2.845	2.900	2.955	3.010	3.064	3.119	3.174	3.228	3.283	3.338	3.393	3.447	3.502	3.557	3.611	3.666	3.721	3.776	3.830	3.885	3.940	3.995	4.049	4.104	4.159	4.213	4.268	4.323	4.378	4.432	4.487	4.542	4.596	4.651	4.706
	44	2.727	2.781	2.834	2.888	2.941	2.995	3.048	3.102	3.155	3.209	3.262	3.316	3.369	3.422	3.476	3.529	3.583	3.636	3.690	3.743	3.797	3.850	3.904	3.957	4.011	4.064	4.118	4.171	4.225	4.278	4.332	4.385	4.439	4.492	4.545	4.599
	45	2.667	2.719	2.771	2.824	2.876	2.928	2.980	3.033	3.085	3.137	3.190	3.242	3.294	3.346	3.399	3.451	3.503	3.556	3.608	3.660	3.712	3.765	3.817	3.869	3.922	3.974	4.026	4.078	4.131	4.183	4.235	4.288	4.340	4.392	4.444	4.497
46	2.609	2.660	2.711	2.762	2.813	2.864	2.916	2.967	3.018	3.069	3.120	3.171	3.222	3.274	3.325	3.376	3.427	3.478	3.529	3.581	3.632	3.683	3.734	3.785	3.836	3.887	3.939	3.990	4.041	4.092	4.143	4.194	4.246	4.297	4.348	4.399	
47	2.553	2.603	2.653	2.703	2.753	2.804	2.854	2.904	2.954	3.004	3.054	3.104	3.154	3.204	3.254	3.304	3.354	3.404	3.454	3.504	3.554	3.605	3.655	3.705	3.755	3.805	3.855	3.905	3.955	4.005	4.055	4.105	4.155	4.205	4.255	4.305	
48	2.500	2.549	2.598	2.647	2.696	2.745	2.794	2.843	2.892	2.941	2.990	3.039	3.088	3.137	3.186	3.235	3.284	3.333	3.382	3.431	3.480	3.529	3.578	3.627	3.676	3.725	3.775	3.824	3.873	3.922	3.971	4.020	4.069	4.118	4.167	4.216	
49	2.449	2.497	2.545																																		