

Three Speed Single Countershaft Transmission

Change Gear	Shifting Gears								
		300	400	450	600	1600	1800	1900	2000
		1.857	1.810	1.773	1.682	1.143	1.069	1.034	1.000
150HD	2	3.714	3.620	3.546	3.364	2.286	2.138	2.068	2.000
200HD	1.95	3.621	3.530	3.457	3.280	2.229	2.085	2.016	1.950
250HD	1.905	3.538	3.448	3.378	3.204	2.177	2.036	1.970	1.905
300HD	1.857	3.448	3.361	3.292	3.123	2.123	1.985	1.920	1.857
400HD	1.81	3.361	3.276	3.209	3.044	2.069	1.935	1.872	1.810
450HD	1.773	3.292	3.209	3.144	2.982	2.027	1.895	1.833	1.773
500HD	1.727	3.207	3.126	3.062	2.905	1.974	1.846	1.786	1.727
600HD	1.682	3.123	3.044	2.982	2.829	1.923	1.798	1.739	1.682
650HD	1.652	3.068	2.990	2.929	2.779	1.888	1.766	1.708	1.652
700HD	1.609	2.988	2.912	2.853	2.706	1.839	1.720	1.664	1.609
750HD	1.593	2.958	2.883	2.824	2.679	1.821	1.703	1.647	1.593
800HD	1.565	2.906	2.833	2.775	2.632	1.789	1.673	1.618	1.565
850HD	1.542	2.863	2.791	2.734	2.594	1.763	1.648	1.594	1.542
870HD	1.52	2.823	2.751	2.695	2.557	1.737	1.625	1.572	1.520
900HD	1.5	2.786	2.715	2.660	2.523	1.715	1.604	1.551	1.500
920HD	1.48	2.748	2.679	2.624	2.489	1.692	1.582	1.530	1.480
950HD	1.458	2.708	2.639	2.585	2.452	1.666	1.559	1.508	1.458
960HD	1.44	2.674	2.606	2.553	2.422	1.646	1.512	1.489	1.440
970HD	1.414	2.626	2.559	2.507	2.378	1.616	1.512	1.462	1.414
1000HD	1.4	2.600	2.534	2.482	2.355	1.600	1.497	1.448	1.400
1050HD	1.379	2.561	2.496	2.445	2.319	1.576	1.474	1.426	1.379
1100HD	1.36	2.526	2.462	2.411	2.288	1.554	1.454	1.406	1.360
1150HD	1.346	2.500	2.436	2.386	2.264	1.538	1.439	1.392	1.346
1200HD	1.308	2.429	2.367	2.319	2.200	1.495	1.398	1.352	1.308
1300HD	1.269	2.357	2.297	2.250	2.134	1.450	1.357	1.312	1.269
1350HD	1.259	2.338	2.279	2.232	2.118	1.439	1.346	1.302	1.259
1400HD	1.222	2.269	2.212	2.167	2.055	1.397	1.306	1.264	1.222
1500HD	1.185	2.201	2.145	2.101	1.993	1.354	1.267	1.225	1.185
1550HD	1.179	2.189	2.134	2.090	1.983	1.348	1.260	1.219	1.179
1600HD	1.143	2.123	2.069	2.027	1.923	1.306	1.222	1.182	1.143
1700HD	1.107	2.056	2.004	1.963	1.862	1.265	1.183	1.145	1.107
1750HD	1.103	2.048	1.996	1.956	1.855	1.261	1.179	1.141	1.103
1800HD	1.069	1.985	1.935	1.895	1.798	1.222	1.143	1.105	1.069
1900HD	1.034	1.920	1.872	1.833	1.739	1.188	1.105	1.069	1.034
2000HD	1	1.857	1.810	1.773	1.682	1.143	1.069	1.034	1.000
1900HD OD	0.967	1.796	1.750	1.714	1.626	1.105	1.034	1.000	0.967
1800HD OD	0.935	1.736	1.692	1.658	1.573	1.069	1.000	0.967	0.935
1750HD OD	0.906	1.682	1.631	1.606	1.524	1.036	0.969	0.937	0.906
1700HD OD	0.903	1.677	1.634	1.601	1.519	1.032	0.965	0.934	0.903
1600HD OD	0.875	1.625	1.584	1.551	1.472	1.000	0.935	0.905	0.875
1550HD OD	0.848	1.575	1.535	1.504	1.426	0.969	0.907	0.877	0.848
1500HD OD	0.844	1.567	1.528	1.504	1.420	0.965	0.902	0.873	0.844