

X	Z									
	70	58	48	45	39	32	27	22	18	16
118	383	463	559	596	688	839	994	1220	1491	1677
119	387	467	564	601	694	846	1002	1230	1503	1691
120	390	470	569	606	700	853	1011	1240	1516	1706
121	393	474	573	611	706	860	1019	1251	1529	1720
122	396	478	578	617	711	867	1028	1261	1541	1734
123	400	482	583	622	717	874	1036	1271	1554	1748
124	403	486	587	627	723	881	1044	1282	1567	1762
125	406	490	592	632	729	888	1053	1292	1579	1777
126	409	494	597	637	735	895	1061	1302	1592	1791
127	413	498	602	642	741	902	1070	1313	1604	1805
128	416	502	606	647	746	910	1078	1323	1617	1819
129	419	506	611	652	752	917	1086	1333	1630	1833
130	422	510	616	657	758	924	1095	1344	1642	1848
131	426	514	621	662	764	931	1103	1354	1655	1862
132	429	518	625	667	770	938	1112	1364	1668	1876
133	432	521	630	672	775	945	1120	1375	1680	1890
134	435	525	635	677	781	952	1129	1385	1693	1904
135	439	529	640	682	787	959	1137	1395	1706	1919
136	442	533	644	687	793	966	1145	1406	1718	1933
137	445	537	649	692	799	974	1154	1416	1731	1947
138	448	541	654	697	805	981	1162	1426	1743	1961
139	452	545	659	702	810	988	1171	1437	1756	1976
140	455	549	663	707	816	995	1179	1447	1769	1990
141	458	553	668	713	822	1002	1188	1457	1781	2004
142	461	557	673	718	828	1009	1196	1468	1794	2018
143	465	561	677	723	834	1016	1204	1478	1807	2032
144	468	565	682	728	840	1023	1213	1488	1819	2047
145	471	569	687	733	845	1030	1221	1499	1832	2061
146	474	572	692	738	851	1038	1230	1509	1844	2075
147	478	576	696	743	857	1045	1238	1519	1857	2089
148	481	580	701	748	863	1052	1246	1530	1870	2103
149	484	584	706	753	869	1059	1255	1540	1882	2118
150	487	588	711	758	875	1066	1263	1550	1895	2132

↑
If mileage shows short, drop teeth

If you know nothing about the gear selection install the 32/141 calibration gears. Run the odo calibration section then do the following calculation: **(recorded distance/test distance)*1000** Look that number up on the table and use those gears.

EXAMPLE:

The odo check distance is 11.35 and your instrument shows 9.87, so

$$(9.87/11.35)*1000 = 869.6$$

Looking that number up shows a gear combination of 39/149 would give an error of < 0.1% or 80 m over the calibration distance.

If your Halda was calibrated previously it can be corrected to the new rally distance by using the ratio of the distances.

EXAMPLE:

The odo check distance is 12.73 and your instrument, equipped with 39/149 gears (869 factor from the table), shows 12.87, so

$$(12.87/12.73)*869 = 878.6$$

You now have a choice of 39/150 for an error of +0.5% or 32/123 gears for a similar error or 32/124 for an error of -0.3%

Remember Long = Late, Short = Early