

MG Y-TYPE - ALTERNATIVE REAR AXLE RATIOS

Bias Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Radial Ply	Input:
525-16	165/80-R15	165/80-R15	165/80-R15	175/80R16	175/80R16	175/80R16	175/80R16	175/80R16	175/80R16	175/80R16	Tyre size
16" x 3"	16" x 3"	16" x 3"	16" x 3"	16" x 5"	16" x 5"	16" x 5"	16" x 5"	16" x 5"	16" x 5"	16" x 3"	Rim size
5.143	5.143	4.55	4.222	4.222	4.55	4.875	5.125	5.143	5.143		Diff Ratio
36	36	41	38	38	41	39	41	36	36		# teeth crown wheel
7	7	9	9	9	9	8	8	7	7		# teeth pinion
											Speedo Drive:
6	6	6	6	6	6	6	6	6	6		3rd motion shaft
15	15	15	15	15	15	15	15	15	15		take off pinion
1600	1600	1600	1600	1600	1600	1600	1600	1600	1600		Speedo fitted (revs/mile)
1	1	1	1	1	1	1	1	1	1		Top Gear Ratio:1 (4th)
2.06	2.04	2.04	2.04	2.095	2.095	2.095	2.095	2.095	2.09		Rolling Circumference (m)
											Output:
781.2	788.9	788.9	788.9	768.2	768.2	768.2	768.2	768.2	770.0		Wheel turns per mile
5.143	5.143	4.556	4.222	4.222	4.556	4.875	5.125	5.143	5.143		Axle ratio:
0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400		Speedo ratio:
1607.1	1622.9	1437.5	1332.4	1297.4	1399.8	1498.0	1574.8	1580.3	1584.0		Speedo turns per mile
14.9	14.8	16.7	18.0	18.5	17.1	16.0	15.2	15.2	15.2		MPH per 1000rpm
1664	1681	1489	1380	1344	1450	1551	1631	1637	1640		RPM @ 40 km/h (in top)
2497	2521	2233	2070	2015	2174	2327	2446	2455	2461		RPM @ 60 km/h (in top)
3329	3361	2977	2760	2687	2899	3103	3262	3273	3281		RPM @ 80 km/h (in top)
4161	4202	3722	3450	3359	3624	3878	4077	4091	4101		RPM @ 100 km/h (in top)
4577	4622	4094	3794	3695	3987	4266	4485	4501	4511		RPM @ 110 km/h (in top)
4781	4828	4277	3964	3860	4164	4456	4685	4701	4713		RPM @ 71.4 mph (in top)
0	1	-10	-17	-19	-13	-6	-2	-1	-1		% speedo error
											NB -ve means reads slow

BREAKERS YARD SEARCH LIST

Teeth	Diff Ratio	Standard fitment on:
11/41	3.727	Riley 1.5, Morris Major & Austin Lancer (Series 1 only)
10/39	3.9	MG Midget 1275cc (UK built cars), Mk1 & Mk2 & Mk3 Sprites
9/41	4.555	Morris Minor 1000 (PRE-1956)
9/38	4.222	MG Midget 1275cc (OZ built cars)
8/43	5.375	Austin A30 Ute, Morris Minor Ute, (in 803cc models)
8/41	5.125	MG TB & TC, Morris Minor 1000 Vans & some Austin A30
8/39	4.875	Austin A30/Morris Minor Ute & Van
7/36	5.143	MG YA/YT
8/36	4.49	MG TA