



Lightened Steel Flywheel

FLYWHEEL WEIGHT COMPARISONS

	KG	LB
Ultralightsteelraceflywheel	3.80	8.38
SteelVertooutersectiononly	4.01	8.84
Steellightweightfastroadspec.	5.00	11.02
Vertostandardironoutersectiononly	5.82	12.83
Safelylightenedstandardironflywheel	6.06	13.36
Standardironflywheelunmodified	7.58	16.71

NOTE:Allabovearewithringgears.

For improved performance you can replace the original cast iron with lightened steel. Lightened standard cast ones are dangerous (can explode at high revs). The steel flywheel also provides a much harder clutch surface.

It is highly recommended to use 3 clutch straps (2A3658 / No.9) per location to minimise stretch on high performance engines.

- In 1996 we started producing our own ultralight steel flywheels as all available flywheels at the time had certain problems. Harmonic balancer testing showed frequency problems at high rpm - from the flywheel. Our flywheel is more symmetrical and evenly balanced to be near perfect. The flywheel comes with the required distance pieces for mounting the straps.

- Ultra light steel flywheel C-AEG619
- Ultra light flywheel with ring gear for pre-engaged starter. C-AEG620

- For road use we developed a lightened steel flywheel ideal as a standard flywheel replacement. Gives smoother tick over than the ultra light version on fast road applications when high lift cams are used. Relevant distance pieces are provided.

- Light steel road spec flywheel. C-AEG421
- Light steel road spec flywheel, with ring gear for pre-engaged starter C-AEG420

- For Verto type clutch assemblies We have developed a replacement outer flywheel section in steel that is nearly 4lb lighter than the standard item. Verto is identified by a short clutch arm. Manufactured to increase the pressure plate clamping rate, for improved clutch performance.

- Verto flywheel for pre injection type carburettor models..... C-AEG422
- For single point injection. The ignition trigger points have been advanced by cnc milling the reluctor ring into the back of the flywheel to give an ignition timing of between 12-14° at 1000rpm, gives optimum power C-AEG425
- For twin point injection C-AEG424

- Flywheel boss, verto only. Requires fixing bolts DAM5920..... DAM5921

Clutch Backplate Pre Verto

- This new EN8 upgraded lightweight backplate shows our commitment to improving products, this replaces our old original 22G270 iron type as used on Cooper 'S' models and weighs 1.450 kg (3.21LBS) C-AHT230
- Mini Spares cast iron back plate 2.14kg (4.73LBS) original was 2.61kg (5.74LBS). Not for racing 22A598

AP Verto Pressure Plate

- AP pressure plate, recognised as having the best clamping pressure, will not fit injection cars unless a modified Flywheel is used GCC679

Clutch Fittings

- Bolt for clutch cover to pressure plate.
a. (torque to 19lbs).
Sold individually 2A3657
b. Race version.
Sold individually ... C-2A3657
- Clutch Strap.
Sold individually 2A3658
- a. Bolt - strap to flywheel.
Sold individually 2A3659
b. Race version.
Sold individually ... C-2A3659
- Flywheel bolt lock tab.
Pre verto 22A1155
- Flywheel bolt. Pre verto.
..... 22A747
- Locking plate key.
a. Pre verto 88G508
b. Verto DAM5923
- Flywheel locktab and bolt.
Verto..... DAM5922
- a. Clutch Oil Seal. Pre 1992.
13H2934
b. Mini Spares version for performance engines.
..... 13H2934MS
c. Rovers last design (spring closer to back) black clutch oil seal. 1992 on LUF10005

Competition Clutch

- Standard diaphragm for all pre verto types GCC103
- AP Orange clutch diaphragm C-AEG481
- AP Grey clutch diaphragm.
..... C-AEG482
- AP Double grey clutch diaphragm for race use only with sintered clutch plate.
..... C-AEG483
- a. AP Rally/race clutch plate 180mm wide C-AHT596
b. Road/Rally plate pre verto 180mm wide C-AHT595
c. AP Standard turbo/fast road new style clutch plate, good up to 7000RPM .GCP204AF
- Road rally performance plate190mmwide1990on..... C-AHT594
- AP Heavy duty sintered paddle plate 180mm. C-AHT598
It is recommended that only the grey diaphragm is used with the sintered paddle plate.
- Mini Spares latest design/ shape. 5 finger type with sintered pads is available 180mm wide C-AHT597
- Heavy duty race/rally 4 finger sintered plate190mm.
..... C-AHT600

