



HGT PRECISION 6 SPEED SPECIFICATIONS



GEARS

Straight Cut Strong and Diamond Ground to DIN5/DIN6 standards for maximum efficiency and even load distribution across the gear teeth. Constant-mesh dog engagement for shifts as quick as 40 milliseconds. Probably the worlds quietest straight cut geared, sequentially shifted, dog engaged gearbox, with almost none of the whine traditionally associated with this industry race standard. This gearbox is totally streetable and generates less heat than competitors. Gears have been successfully tested behind engines with 1500hp/1100kw and 1600nm/1200ftlb in race conditions.

LUBRICATION

Internal Splash

SEALS

O-Ring

INPUT SHAFTS

- GM 26 tooth spline
- GM/Nissan 26 tooth spline with Nissan spigot
- Mazda 23 tooth spline
- Nissan 24 tooth spline
- Toyota 21 tooth spline (R154)
- Toyota 14 tooth spline (V160 / V161/ 6MT)

Others possible on request

WEIGHT

38.5kg or 85lb

SIZE

440mm Long

180mm Wide

277mm Tall

RATIOS

Choose one column

1st 2.60 2.60 2.44 2.16

2nd 1.88 1.80 1.80 1.80

3rd 1.52 1.42 1.52 1.52

4th 1:28 1.18 1.28 1.28

5th 1:13 1:1 1.13 1.13

6th 1:1 0.88 1:1 1:1

Rev 2.94 on all

PORTS

Oil Outlet and Inlet for lines for Pump, Filter and Cooler options

Gearbox Breather

Oil Temperature sensor

Oil Fill

Oil Drain with a magnetic plug

RATINGS

1000 nm / 738 ftlb / 102kg and 11,000 RPM

FRONT PATTERN

GM Muncie

OUTPUT

Flange pre-drilled for 1350 Series Yoke or Slip Yoke - supplied with hardware. Comes pre-fitted with a reluctor wheel ready to accept our Speed Sensor to enable launch control, traction control, speed referenced boost or a digital speedometer.

ACCESSORIES

HGT Billet CNC Shift Lever with remote mount base. Centre of Tunnel, Right or Left Offset shift lever positions. Two different height options to accommodate driver preference. Reverse is integrated into the shift lever and comes with trigger for a reverse light and loom, or reverse can be remotely mounted for Paddle Shift setups

HGT Shift Cut Knob - Analogue signal with a full-bridge system

HGT Billet Paddleshift interface brackets for Motec, Geartronics, Shiftec and Life Racing actuators_actuators

HGT Billet CNC Digital Gear Position Display

HGT Billet Push Clutch Release Bearing with Shims

HGT Billet Speed Sensor Bracket and GT101 Sensor

HGT Breather Kit

HGT 1350 Series Yokes bolt up to output flange and weld to the driveshaft. Slip Yoke for one-piece driveshafts, or Non-Slip Yoke for two-piece driveshafts

BELL HOUSINGS

Cast or Billet Vernier Bell Housings to allow direct fitting of HGT Gearboxes to:

BMW: Straight 6 M50, V8 M60, M62, S62, S65, V10 S85

GM: LS/SBC OEM style with 168 tooth ring gear, front mount starter motor 11"/12" clutch OR Race style with a cover-mounted 110 tooth ring gear, rear mount starter motor and 5.5"/7.25" clutch

Ford: Aluminator, Barra, Coyote, Duratec series, Windsor

Honda: K Series RWD, F20C S2000

Mazda: Rotary Series 6 rear mount starter, MZR-L series

Mitsubishi: EVO 1/2/3 RWD

Nissan: SR20, RB20, RB25, RB26, RB30, VQ35, VQ37, VR38 RWD, L series

Toyota: 1JZ, 2JZ, 1UZ, 3UZ, 3SGE Beams, 86, 4AGE

Others possible on request