

TSR – Racing Transaxle Transmission



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Designed for Rear In-line Engined Sports cars.

- 6 speed plus reverse
- Spur gears with Dog Clutches
- Sequential Shifting

Having Hypostatic mountings on the 3 bearings on each of the shafts enables this unit to transfer up to 800Nm with a compact 85mm centre distance.

The layout has advantages in weight saving and for the lowering of the position of the Centre of Gravity. This is very advantageous for the reduction of polar inertia while cornering.

The TSR is designed to be extremely reliable and for installation in the vehicle, particularly in mono brand Championships where cost is a priority.

Options

PARTS

Magnesium Case	€2,500
Aluminium Drum & Pull mechanism	€1,250
Specific Ratio (per set)	€1,000
Specific Final Drive	€2,500
Clutch Release Bearing	€500

SUPPORT

Engineering support for Engine – Clutch – Transmission interface	€7,500
Senior Technician support per day plus travel and sustenance	€1,000
Junior Technician support per day plus travel and sustenance	€750



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Technical Information

Ratios

1st	2nd	3rd	4th	5th	6th	Rev
2.615	1.938	1.474	1.238	1.044	0.920	3.000

Final Drive Ratios

Long – 2.923	Medium – 3.364	Medium short – 3.545
Short – 3.700	Extra short – 4.091 & 4.300	

Differential

Torque Sensing Type (excellent for gentlemen drivers)

Shifting Mechanism

Sequential with steel Drum and Pull mechanism

Casing

Aluminium (for other options see left)

Price

On application

N.B. It is not designed for fast ratio changes.