

Manual Transmission

Manual Transmission 6MTL420

Light weight high performance manual transmission for sports cars. Integrated oil cooler and optional limited slip differential for sports car specific requirements.



Features and Specifications

Gear	Max. Input Torque [Nm]	Ratio	
		Gear	Overall
1	390	3,308	12,863
2	390	1,950	7,583
3	390	1,407	5,473
4	420	1,133	4,407
5	420	0,950	3,694
6	420	0,814	3,165
Reverse	130	3,000	11,667
Final Drive		3,889	

Features and Specifications

- Max. input torque: 420 Nm
- Weight (dry): 62.2 kg
- Installation length: 693 mm
- Synchronizer: 1st + 2nd gear - triple cone
3rd + 4th gear - double cone
5th + 6th gear - double cone
Reverse gear - double cone

Competitive advantage/differentiators

- 6-speed manual transmission, transaxle longitudinal construction
- All gears synchronized
- Weight-optimized, powerful gear unit
- Integrated oil cooling (thermal management)
- Optional limited slip differential

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production