

**TL MT6 2WD & 4WD, 260 Nm**  
**6-Speed Manual Transmissions**

# TL4 & TL8 - CUSTOMER BENEFITS

**Best in class for drivability and silence, TL MT6 covers a wide range of vehicles with diesel and gasoline engines, 2WD and 4WD.**

## DRIVING COMFORT

- Excellent synchronisation capacity in all gears
- Reduced gear lever travel
- Synchronised reverse gear



## PERFORMANCE AND CONSUMPTION

- Spherical differential
- 6th gear for improved acoustics and consumption at high speeds
- Shorter steps between other speeds: improved pull-away in all gears

## REMARKABLY COMPACT

- In the 2-shafts/ 6 speeds transmission category
- Suitable for B segment vehicles

## OPTIMIZED ACOUSTICS

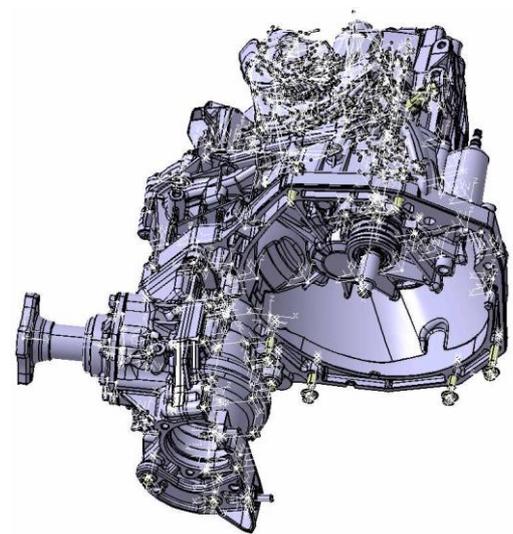
- Reduced noise and vibration

## EASY ADAPTABILITY TO VEHICLE

- Cable control

## A WELL ADAPTED TRANSMISSION

- To Diesel engines
- To powerful petrol engines for “sporty” models
- Four wheel drive application (TL8 4WD)



TL8 4WD

## MAINTENANCE - TOTAL COST OF OWNERSHIP\*

- No maintenance, filled for life

## SHIFTING PATTERN:



## A WIDE RANGE OF APPLICATIONS

- B to C segment Cars
- Commercial Vehicles

# TL4 & TL8 - SPECIFICATIONS

## MAIN SPECIFICATIONS

	TL4 2WD	TL8 4WD
Transmission type	Manual	
Installation	Transverse, with final drive	
Number of Speeds	6	
Maximum Input Torque Nm)	260	240
Type of Reverse Gear	Synchronized	
Number of Shafts	2	
Shifting type	Cable	
Clutch Actuator Type	Hydraulic	
Oil Capacity (liter)	1,9	2,2
Weight (kg)	41	48

## OTHER SPECIFICATIONS

Housing material	Aluminum
Clutch diameter (mm):	215-225
Oil Type:	mineral or semi synthetic API-GL5
Offset between differential and final drive (mm):	186
Offset between primary and secondary shaft (mm):	77
Synchromesh material:	brass

## GEAR RATIO EXAMPLES

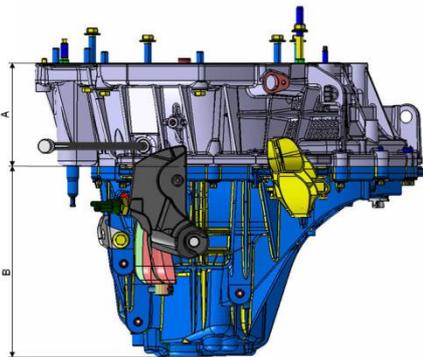
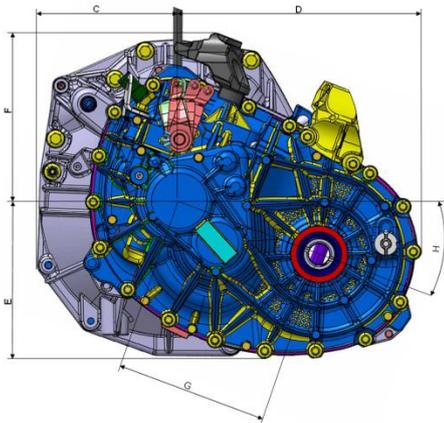
	TL4 (2WD)			TL8 (4WD)		
1 <sup>st</sup>	11/41	11/41	11/35	11/49	11/49	11/49
2 <sup>nd</sup>	19/37	19/37	19/37	17/44	17/44	17/44
3 <sup>rd</sup>	31/41	31/41	29/43	27/47	30/49	29/49
4 <sup>th</sup>	40/39	40/39	34/41	31/40	35/39	35/41
5 <sup>th</sup>	38/29	38/29	38/39	38/39	37/30	39/34
6 <sup>th</sup>	47/30	47/30	39/34	37/30	47/29	43/29
Reverse	11/28	11/28	11/23	11/28	11/28	11/28
Final drive	15/59	16/71	16/69	14/68	14/68	14/68
Energy	diesel	diesel	gasoline	gasoline	diesel	gasoline

# TL4 & TL8 – MAIN DIMENSIONS

## TL4

### TL4 Dimensions in mm

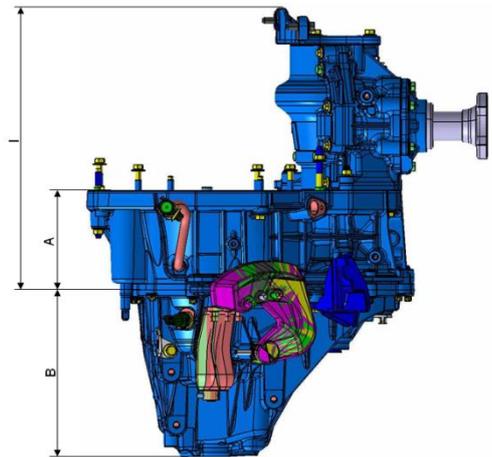
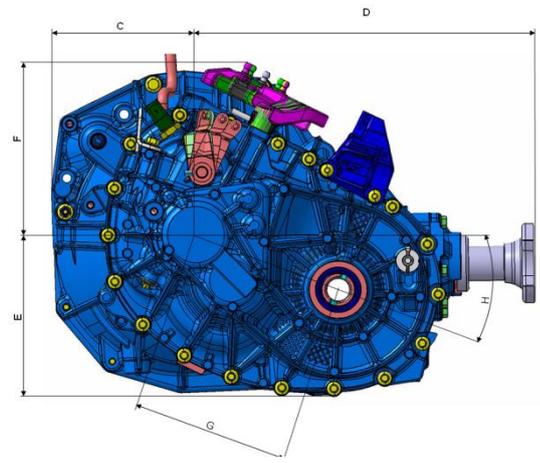
	21°	25°
A	139	
B	255	
C	176	181
D	300	295
E	197	208
F	210	206
G	186	
H	21°	25°



## TL8

### TL8 Dimensions in mm

	21°	25°
A	139	
B	255	
C	176	
D	413	411
E	198	209
F	212	207
G	186	
H	21°	25°
I	408	



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