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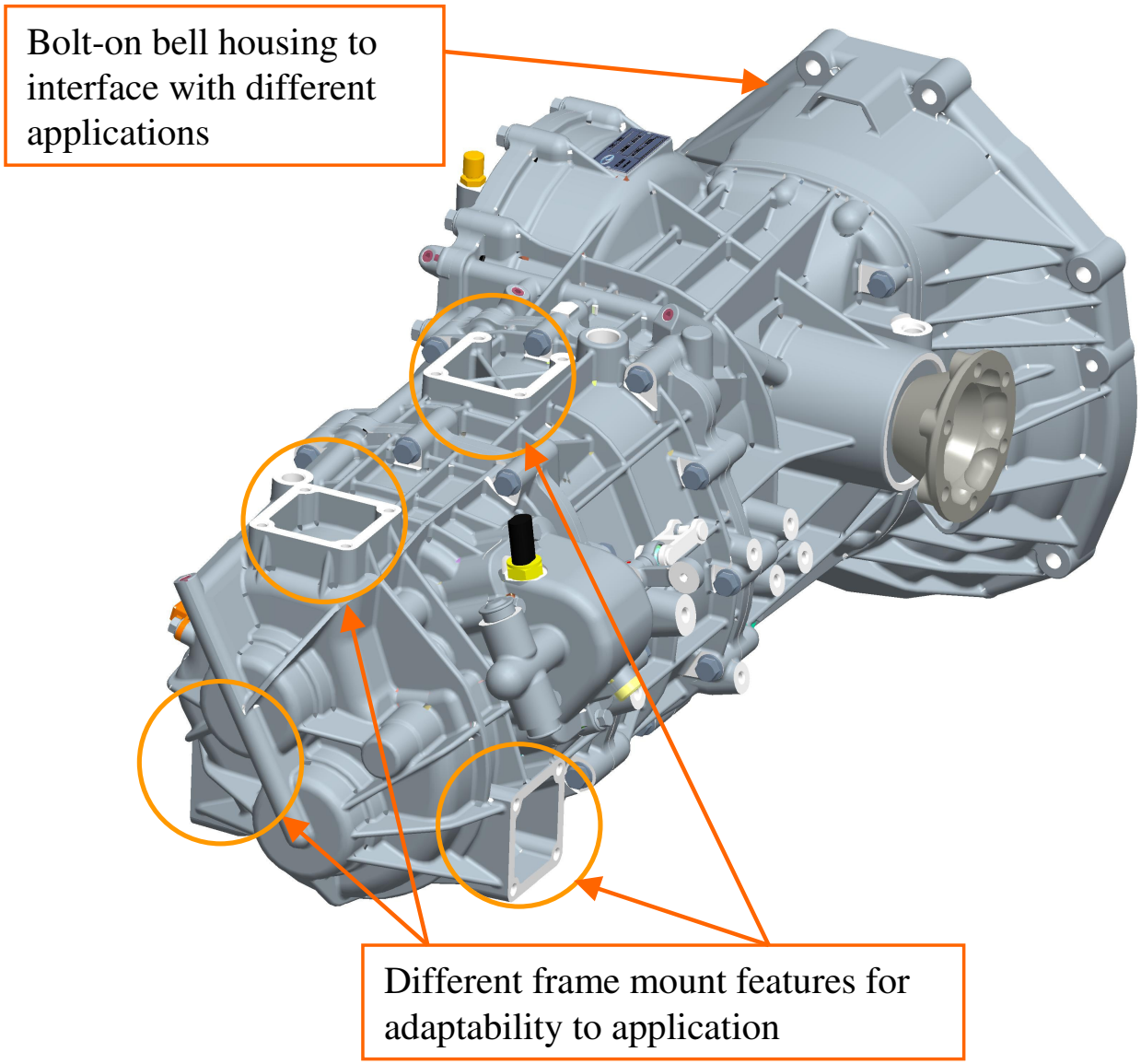
GT-ME1 Gearbox

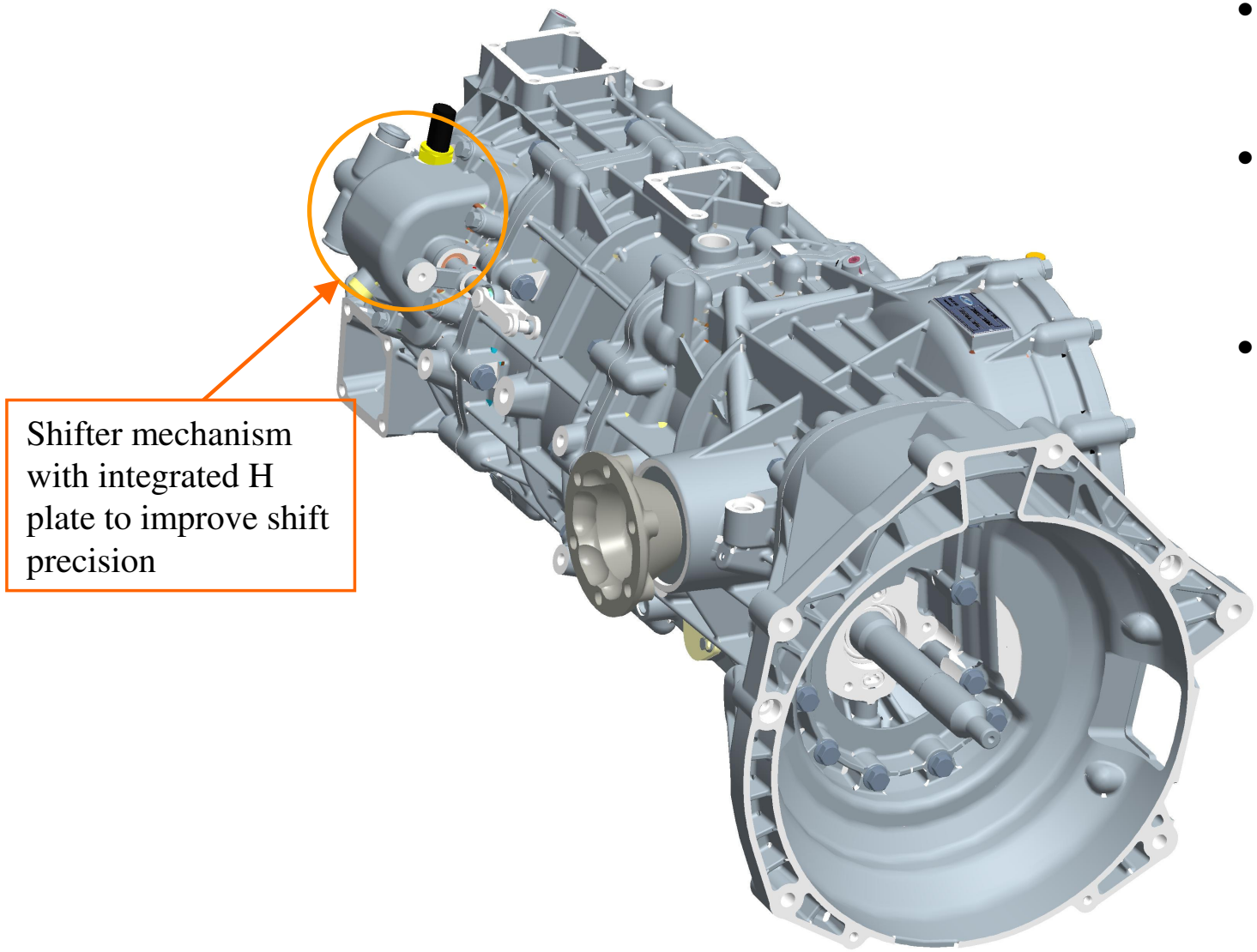
New Six-Speed Mid-Engine gearbox for high performance sport cars

GT-ME1 gearbox technical specifications

- 6 Speed manual
- Aluminum housing optimized to allow application adaptability
- 85mm shaft centre distance
- Limited Slip Differential: Torque sensitive with choice of locking ratios to tune car performance
- AMT version is an option



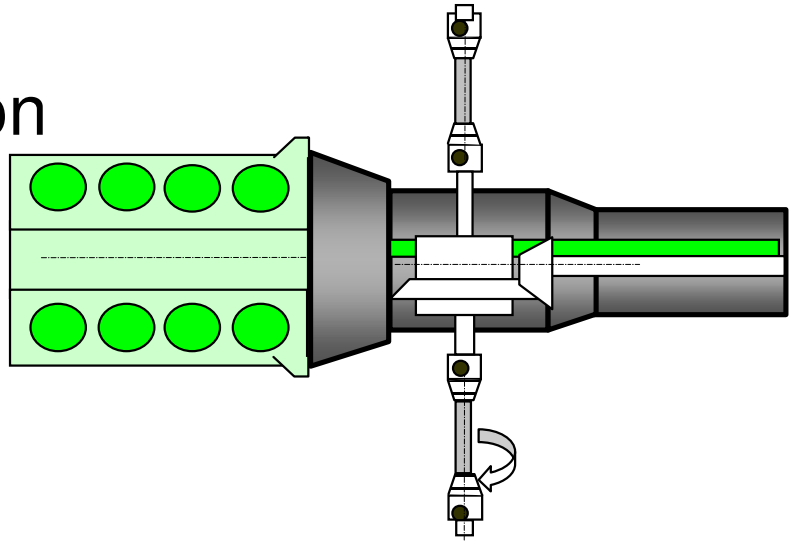
GT-ME1 gearbox technical specifications



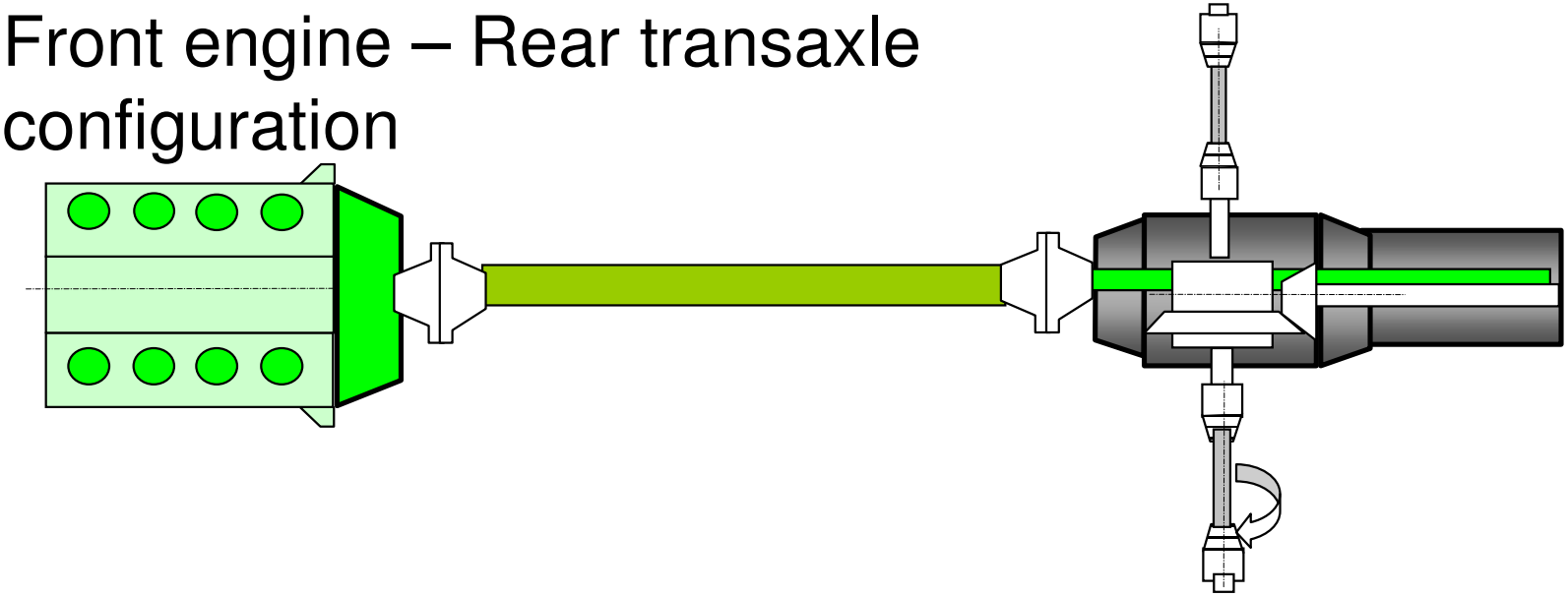
- Triple cone synchronizers on I and II gears
- Double cone synchronizers on III, IV,V,VI and REV gears
- Synchronizers on I and II are tuned for best manual shifting comfort

GT-ME1 gearbox technical specifications

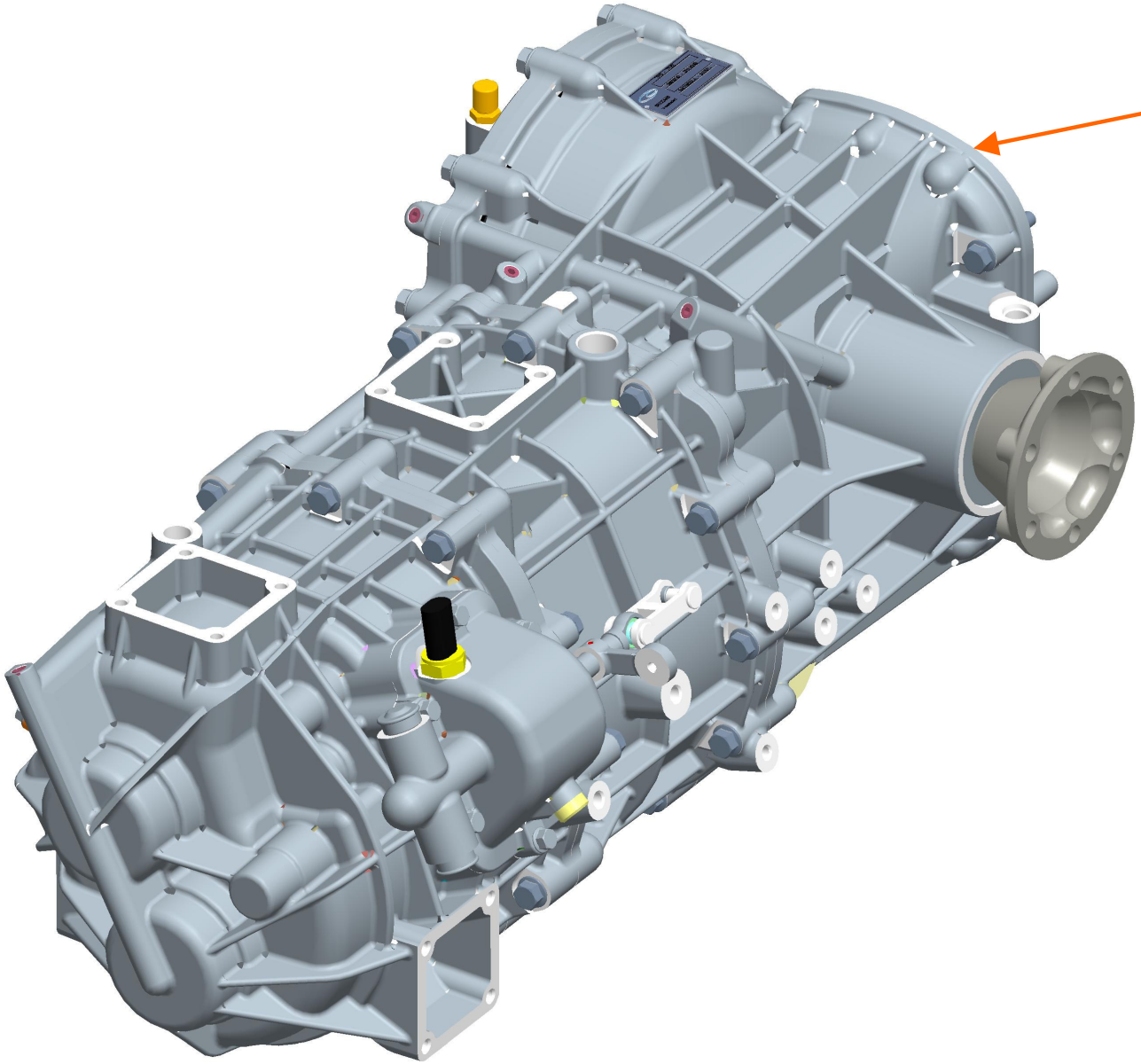
Mid-Engine configuration



Front engine – Rear transaxle configuration



GT-ME1 gearbox technical specifications



Gearbox in transaxle configuration: casing without clutch housing

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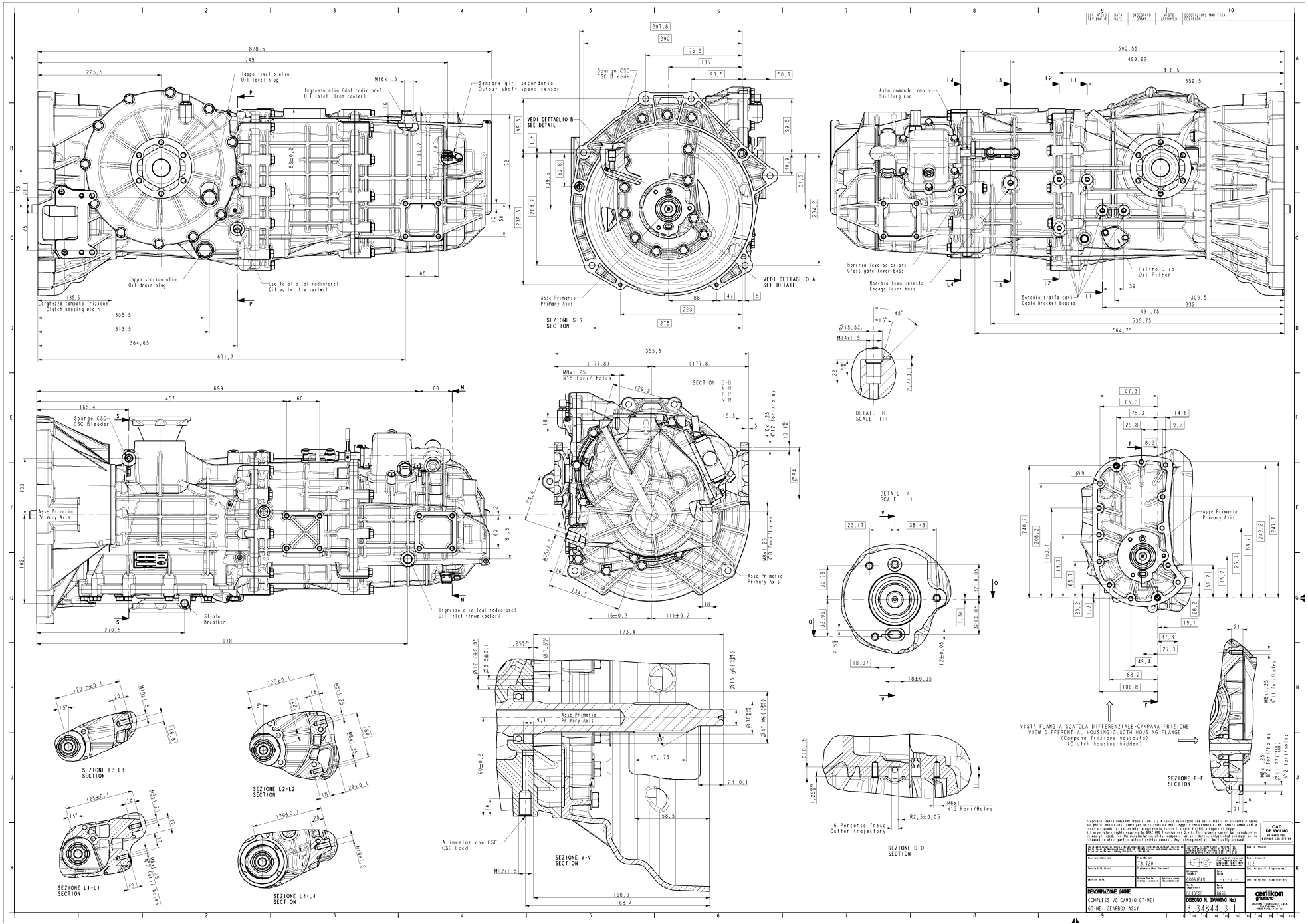
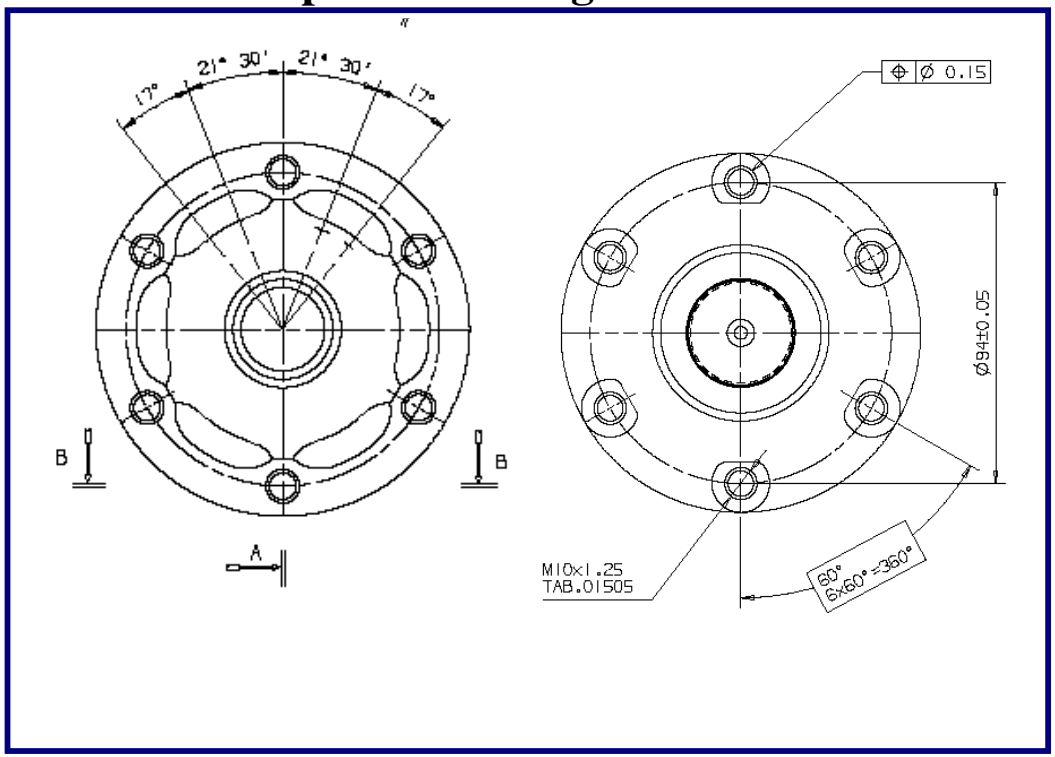
GT-ME1 gearbox technical specifications



GT-ME1 gearbox technical specifications

Output shaft flange details



Input shaft spline data

SCANALATO AD EVOLVENTE DATI COSTRUTTIVI		II
Numero denti	z	25
Modulo	M	1.0583
Diametro primitivo	Dp	26.458
Diametro esterno	De	$27.5\ ^{0}_{+0.15}$
Diametro interno	Di	24 MIN
Diametro di base	Db	22.913
Diametro inizio evolvente utile	Die	25.29
Angolo di pressione	α	30°
Spessore circolare sul Dp	Sc	▲▲
Distanza tra N° n denti	n	–
	W	–
Diametro dei rulli per misurazione	Ør	2
Distanza tra 2 rulli opposti	Ll	29.386÷29.422
Gioco normale tra i fianchi	g	
Prof. scanalato Tab.	–	FILLET R.S.F. CLASSE:4 ASA 24/48

GT-ME1 gearbox technical specifications

Gear ratios

Gear						
	Z Driving	Z Driven	Ratio	Overall ratio 1	Overall ratio 2	Overall ratio 3
I	13	41	3,154	12,931	11,669	14,368
II	17	37	2,176	8,924	8,053	9,915
III	23	36	1,565	6,417	5,791	7,130
IV	27	32	1,185	4,859	4,385	5,399
V	31	29	0,935	3,835	3,461	4,262
VI	33	25	0,758	3,106	2,803	3,451
Rev	14	41	2,929	12,007	10,836	13,341
Bevel set 1	10	41	4,100			
Bevel set 2	10	37	3,700			
Bevel set 3	9	41	4,556			

Three bevel set ratios available

LS Differential tuning options

Limited Slip Differential		
Available locking ratios		
	drive	coast
%	30	55
	25	45
	45	45
	20	60
	10	30