

Rally		Car		
Date		Surface	Tarmac	25/02/2020
Crew		Conditions	Dry	

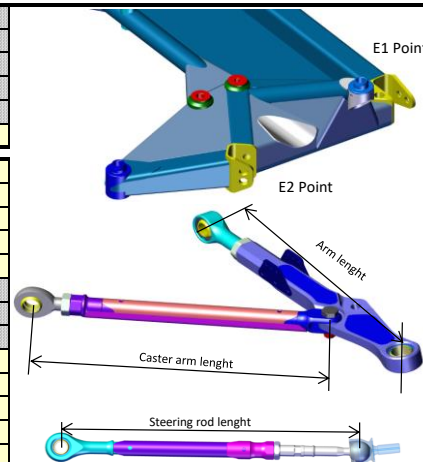
General data

Wheel	Speedline 8x18		Setup tyre pressure		bars	2	R: 317/318mm
Tyre	Michelin	20/65 - 18	FR	Ballast	Fr weight ratio	%	
Corner weight with 30L fuel	kg	FL	RR		L/R diff	kg	
Crew weight	kg	Driver	Codriver		Cross diff	kg	
Car weight	kg	w/ crew	1390 min	Min Weight	1230 min	with 1 spare wheel	

Front AXLE

Main Spring	N/mm		45	
Valving	spec		T30F	
Damper settings (LSB, HSB, Reb)	base		-6 / -14 / -40	
RCV	shim		3mm	
Antiroll bar	mm / pos		15,3	Soft
Antiroll rod lenght (theorical)	mm		235	

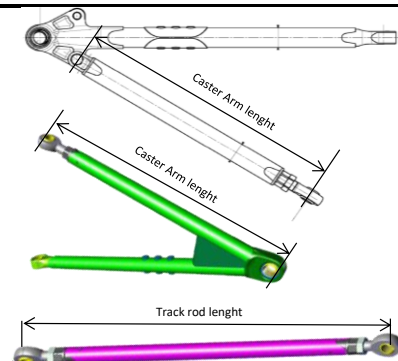
Ride Height*	mm		110	
Cup Height (theorical)	mm			
Toe / wheel (+ = toe in)	mm		-1mm	
Camber	(°)		-1°10'	
Camber shim (theorical)	mm			
Point C Bracket	orientation		Marking -> INSIDE	
E1 Point	position		OUTSIDE	
E2 Point	position		UPPER	
Arm lenght (theorical)	mm		378,7	
Caster arm lenght (theorical)	mm		369,5	
Steering rod lenght (theorical)	mm		398	
2517 < Wheelbase < 2568	mm		2567	
Caster (for info)	(°)		8°42'	



Rear AXLE - Evo Rear Subframe

Main Spring	N/mm		45	
Valving	spec		T30R	
Damper settings (LSB, HSB, Reb)	base		-8 / -7 / -25	
RCV	shim		3mm	
Antiroll bar	mm / pos		24,5	Soft
Antiroll rod lenght (theorical)	mm		260	

Ride Height*	mm		132	
Cup Height (theorical)	mm			
Toe / wheel (+ = toe in)	mm		0 mm	
Camber	(°)		-1°10'	
Camber shim (theorical)	mm			
Caster Arm lenght (theorical)	mm	Standard rear arm ->	539 / 465	Rear arm evo
Track rod lenght (theorical)	mm		536,6	



BRAKES

			Front	Rear
Disc	spec	Ø x t	355 x 32	355 x 32
Caliper	spec	Ø	Alcon 38.1/41.3	Alcon 38.1/41.3
Pads	spec	-	Endless 105SP	Endless 105SP
Dual master cylinder	inch	Ø	0,75" (19,05mm)	0,937" (23,8mm)
Handbrake master cylinder	inch	Ø	0,7" (17,8mm)	
Brake ratio (for 30b at the front)	bars	AR	19	(given by dual master cylinder)

STEERING

Power steering pump	L / min	11L/min at 130b Ref 904600278A
Anti return valve	-	WITHOUT

TRANSMISSION

Front Diff	Drive / Coast	35 / 60	Preload	40 Nm	12 FF
Rear Diff	Drive / Coast	50 / 90	Preload	75 Nm	12 FF
Clutch master cylinder	inch	Ø	0,7" (17,8mm)		

*Nota: Ride height is measured with the driver and codriver weight, with 30L fuel, all fluids leveled, 1 spare wheel, car ready to race.

In case of bumpy/cambered road, increase RH by +6/+8

In cas of rain or very low grip, use 40N/mm springs F & R and/or rear diff 45/90 8FF 75Nm

