

Rally		Car		20/04/2021
Date		Surface	Gravel	
Crew		Conditions	Dry	

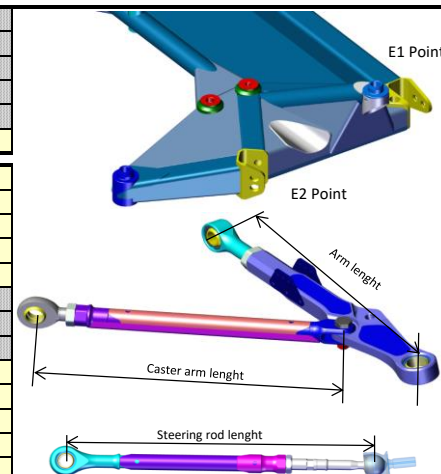
General data

Wheel	Speedline 7x15					
Tyre	Michelin	17/65 - 15	Setup tyre pressure		bars	2
						R: 309/310mm
Corner weight with 30L fuel	kg	FL		FR	Ballast	Fr weight ratio
	kg	RL		RR		L/R diff
Crew weight	kg	Driver		Codriver		Cross diff
Car weight	kg	w/ crew	1390 min	Min Weight		1230 min

with 1 spare wheel

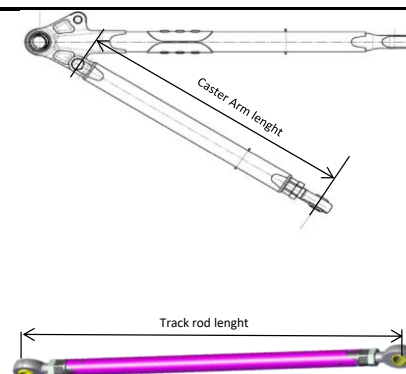
Front AXLE

SUSPENSION	Main Spring	N/mm		20	
	Valving	spec		G20F	
	Damper settings (LSB, HSB, Reb)	base		-18 / -14 / -5	
	RCV	shim		3mm	
	Antiroll bar	mm / pos		17,6	Soft
	Antiroll rod lenght (theorical)	mm		235	
GEOMETRY	Ride Height*	mm		168	
	Cup Height (theorical)	mm			
	Toe / wheel (+ = toe in)	mm		0 mm	
	Camber	(°)		-1°10'	
	Camber shim (theorical)	mm			
	Point C Bracket	orientation		Marking -> OUTSIDE	
	E1 Point	position		INSIDE	
	E2 Point	position		LOWER	
	Arm lenght (theorical)	mm		400,2	
	Caster arm lenght (theorical)	mm		372,5	
	Steering rod lenght (theorical)	mm		394	
	2517 < Wheelbase < 2568	mm		2567	
	Caster (for info)	(°)		7°14'	



Rear AXLE - Evo Rear Subframe

SUSPENSION	Main Spring	N/mm		20	
	Valving	spec		G17R	
	Damper settings (LSB, HSB, Reb)	base		-5 / -5 / -17	
	RCV	shim		3mm	
	Antiroll bar	mm / pos		21,6	Soft
	Antiroll rod lenght (theorical)	mm		260	
GEOMETRY	Ride Height*	mm		188	
	Cup Height (theorical)	mm			
	Toe / wheel (+ = toe in)	mm		1 mm	
	Camber	(°)		-1°20'	
	Camber shim (theorical)	mm			
	Caster Arm lenght (theorical)	mm		469	
	Track rod lenght (theorical)	mm		541,9	



BRAKES

			Front	Rear	
Disc	spec	Ø x t	300 x 29	300 x 29	
Caliper	spec	Ø	Alcon 38.1/41.3	Alcon 38.1/41.3	
Pads	spec	-	Alcon JJ9	Alcon JJ9	
Master cylinder Fr / Rr	inch	Ø	0,7" (17,8mm)	0,7" (17,8mm)	
Handbrake master cylinder	inch	Ø	0,7" (17,8mm)		
Brake ratio (for 30b at the front)	bars	Rear	21	(to be set)	

STEERING

Power steering pump	L / min	13L/min at 130b Ref 904600288A
Anti return valve	-	WITH

TRANSMISSION

Front Diff	Drive / Coast	35 / 72	Preload	60 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.

Ride heights mentioned are minimum. Increase ride height (according to the ratio +10/+15) for more protection (bumpy road, ruts).

Increase spring rate for more protection in case of bad road.

If low grip, try the front ARB in 15,3 H

If case of low grip and power oversteer, try rear diff 45/90 8FF

