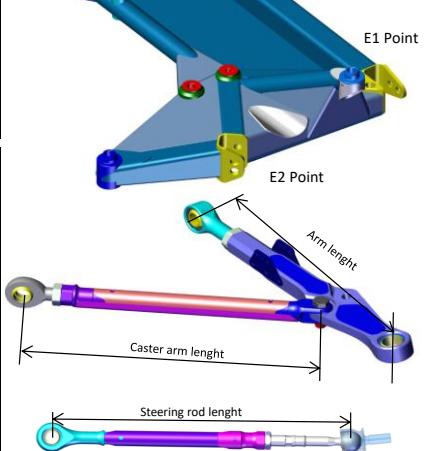




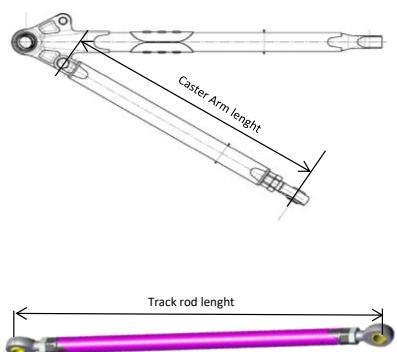
Rally	Car	Gravel	24/02/2020
Date	Surface		
Crew	Conditions		

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



Rear AXLE - Evo Rear Subframe									
<b>SUSPENSION</b>	Main Spring	N/mm	20						
	Valving	spec	G17R						
	Damper settings (LSB, HSB, Reb)	base	-5 / -5 / -17						
	RCV	shim	3mm						
<b>GEOMETRY</b>	Antiroll bar	mm / pos	21,6	Soft					
	Antiroll rod lenght (theoretical)	mm	260						
	Ride Height*	mm	188						
	Cup Height (theoretical)	mm							
	Toe / wheel (+ = toe in)	mm	1mm						
	Camber	(°)	-1°20'						
	Camber shim (theoretical)	mm							
	Arm lenght (theoretical)	mm	469						
	Track rod lenght (theoretical)	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				
Dual master cylinder	inch	Ø	0,7" (17,8mm)	/	0,874" (22,2mm)				
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		13L/min at 130b Ref 904600288A						
Anti return valve	-		WITH						

TRANSMISSION									
Front Diff	Drive / Coast	35 / 60	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)						

<b>MISC</b>	*Note: 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																		

