2025 FIA F4 CHINESE CHAMPIONSHIP SUPPLEMENTARY TECHNICAL REGULATIONS					
2025东鹏特饮国际汽联F4方程式锦标赛技术补充规则					
NO.	Not allowed to change:	Regulations			
序号	锁定技术规格	规格			
1	Damper springs front and rear	mandatory 1000/800	见图1		
1	前后减震器弹簧	锁定为前10001b/in 后8001b/in	picture1		
2	Antiroll bar	mandatory Ø11 front and rear, position free	见图2、3		
4	防倾杆	前后锁定为 011, 位置可以调整	picture2、3		
3	Gear ratios	fixed (the ones in the catalogue)	见图4		
3	齿比	锁定(详见车辆技术目录)	picture4		
4	Master-cylinders diameters	fixed (the ones that are standard in the catalogue)			
4	刹车制动油壶直径	锁定(车辆技术目录中标准直径)			
5	Brake pads	the ones in the spare parts catalogue			
J	刹车片	备件目录中标准刹车片			
	Brake disc	the ones in the spare parts catalogue(The minimum			
6		thickness of the brake disc is 17.8mm)			
	刹车盘	备件目录中标准刹车片(刹车盘最低厚度最低值是17.8mm)			
7	Fix suspension bracket positions on the gearbox	you can refer to the user manual for the standard			
	固定在变速箱上的悬挂支架位置	标准位置可参考用户手册			
8	Turbo	fixed (the ones in the spare parts catalogue)			
	涡轮	锁定(备件目录上的标准涡轮)			
9	Fue1	Officially designated sponsored fuel			
	燃油	官方指定赞助燃油			
10	Coolant	According to FIA regulations, only pure water can be			
10	制冷液	按照国际汽联规定只能使用纯净水作为冷却液			
	Heat protection	Its only allow to add heat protection in contact with			
		the exhaust pipe, maximum thickness 5mm(not allow for			
11		airbox,air pipes,etc)			
	隔热保护	只允许在排气管上增加保护装置,保护装置必须与排气管贴合,保住装置厚度不得大于5mm(不允许在进气风箱、进气管			
	LET VAN NOTA	路等增加隔热保护)			
	Additional sensors and GPS	Any additional sensors and GPS is not allowed			
12	额外的传感器和GPS	不允许安装任何额外的传感器和 GPS			
NO.	Setup open (teams allowed to setup) :	Regulations			
序号	开放选项(车队允许更改的设定)	规格			
	Camber		见图5		
1	外倾角		picture5		
	Castor		见图6		
2	后倾角		picture6		
	Toe		见图7		
3	前束角		picture7		
	Ride height: minimum 26mm	minimum 26mm	procure		
4	车身高度: 车身最低离地间隙为26mm	车身最低离地间隙为26mm			
	Dampers clicks and preload	T-33 \$K [KI] -22 [-3] [X/J = 0.11111	见图8		
5	遊震阻尼和承载		picture8		
	Antiroll bar positions		见图9、10		
6	防倾杆位置		picture9, 10		
	Brake balance		produces, 10		
7	刹车比例				
	利子に別 Pedalbox position				
8	踏板位置				
9	Front wing angle				
	前定风翼角度				
10	Rear upper wing angle				
	后尾翼上导风板角度				
11	Hiding water radiator with tape if cold				
	如果温度过低可以使用胶带遮盖水箱				

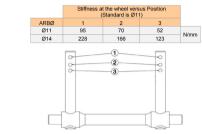
Front and rear suspension springs are common sizes.

Part Number		F.41.14.022	F.41.14.024	F.41.14.026	
Stiffness	lbs/inch	600	800	1000	
Stiffness	N/mm	106	141	176	

Standard are 1000 at the front and 800 at the rear.

图1 picture1

3.6.2 FRONT ANTI-ROLL BAR STIFFNESS



Here the anti-roll bar rate graph from the different anti-roll bar diameters and positions

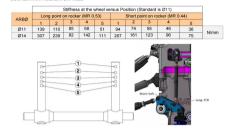


图2 picture2

图3 picture3

## Available shims:

The standard gearbox build specification is: Differential: no limited slip

Differential: CWP ratio: Gear ratios: 10/31

1st 12/30 2<sub>nd</sub> 16/30 18/27 3rd 20/25 4th 5th 24/26 6th 25/23

Part Number	Description
F.31.14.110	Camber shim 1 mm
F.31.14.111	Camber shim 1.5 mm
F.31.14.112	Camber shim 2 mm
F.31.14.217	Camber shim 4 mm

Camber setup					
	Front Axle				
Position	Angle (°)	Shims (mm)	Shims	mm/0.5°	°/mm
STD	3.5	5	2 + 2 + 1		
Max	5.1	0	0	1.53	0.33
Min	2	9.5	4 + 2 + 1,5	1	
Rear Axle					
Position	Angle (°)	Shims (mm)	Shims	mm/0.5°	°/mm
STD	2.5	5.5	2 + 2 + 1,5		
Max	4.1	0	0	1.69	0.30
Min	1	10.5	4+4+1+1.5	1	

## 图4 picture4

图5 picture5

	Front Castor Angle	Rear Castor Angle	
True castor angle (TCA)	= MCA + 7.89°	= MCA - 25.44°	
Base settings (TCA)	8.21°	-22.65°	
Base set up length, wishbone ball centre to ball centre	557.662m	602.92mm	
Ball end length for base set up	30.3	30.3	

图6 picture6

The Toe can be measured with the following formula:

The correlation between degrees and the value B/2-A/2 is :

B/2-A/2 (mm)	Toe (deg)
18	3
12	2
6	1
0	0
-6	-1
-12	-2
-18	-3



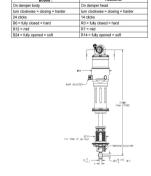


图9 picture9

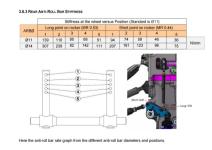


图10 picture10