

Braking System Design Analysis Form

Complete this form for a Free Evaluation & Recommendation
of Component Sizing & Ideal Pedal Box Configuration



DATE	
COMPANY & NAME	
EMAIL	
PHONE	
VEHICLE MAKE	
CATEGORY	
MODEL	
ENGINE	
ADDITIONAL INFO:	

WHEELBASE	mm	
COG HEIGHT GROSS	mm	
COG HEIGHT NET	mm	
or ANTI-DIVE	or %	
MAX PEDAL EFFORT	kg	
PEDAL RATIO (if known)	RATIO	
ENGINE POWER	Kw	
MAX SPEED	km/h	
MAX BRAKING LOAD	G	

REAR		
MASS REAR Fzr	kg	
AERO LOAD Far	kg	
TYRE		
TYRE ROLLING DIA	mm	
TYRE SPEC	NAME	
TYRE WIDTH	mm	
FRICTION COEF (μ)	RATIO	
BRAKE CALIPER (per pad)		
PISTON 1 \emptyset	mm	
PISTON 2 \emptyset	mm	
PISTON 3 \emptyset	mm	
PISTON 4 \emptyset	mm	
BRAND / MODEL	NAME	
BRAKE PAD (single pad)		
MEAN RADIUS Rm	mm	
PAD AREA	mm ²	
PAD TYPE	TYPE	
FRICTION COEF (μ)	RATIO	
BRAKE ROTOR		
ROTOR DIAMETER	mm	
ROTOR THICKNESS	mm	
VENTED	Y or N	
MASS	kg	
MATERIAL	TYPE	

FRONT		
MASS FRONT Fzf	kg	
AERO LOAD Faf	kg	
TYRE		
TYRE ROLLING DIA	mm	
TYRE SPEC	NAME	
TYRE WIDTH	mm	
FRICTION COEF (μ)	RATIO	
BRAKE CALIPER (per pad)		
PISTON 1 \emptyset	mm	
PISTON 2 \emptyset	mm	
PISTON 3 \emptyset	mm	
PISTON 4 \emptyset	mm	
BRAND / MODEL	NAME	
BRAKE PAD (single pad)		
MEAN RADIUS Rm	mm	
PAD AREA	mm ²	
PAD TYPE	TYPE	
FRICTION COEF (μ)	RATIO	
BRAKE ROTOR		
ROTOR DIAMETER	mm	
ROTOR THICKNESS	mm	
VENTED	Y or N	
MASS	kg	
MATERIAL	TYPE	

REAR		
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FRONT		
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