

# BRAKE COMPLIANCE GUIDELINES

(OCTOBER 2018)

## FUSO ENDURO

Fuso New Zealand confirm that the following FUSO Enduro trucks sold new in New Zealand will continue to meet the specified brake standard within the allowed wheelbase range and tyre size stipulated below.

FACTORY MODEL CODE	LOCAL MODEL CODE	BRAKE STANDARD	WHEELBASE (MM) (first axle to centerline of rear axle/s)		TYRE SIZE		APPLICATION
			STANDARD	MODIFICATION RANGE	STANDARD RANGE	MODIFICATION RANGE	
FAV1PH	FA914 / 917	ECE R13	4250	3760 - 4800	235/75R17.5	N/A	Rigid
FIV1PK	FI1217		4800	3760 - 4800	255/70R22.5	N/A	
FIV2PF	FI1217 Tipper		3760	3160 - 3760	255/ 70R2 2.5	N/A	
FJX4WL	FJ1628 4x2		5100	4500 - 6000	295/80R22.5	295/80R22.5 - 11.00 R 20	
FJX3WK	FJ2528 6x4		4275	4275 - 4875	295/80R22.5	315/80R 22.5 - 11.00R20	
FJY1WT	FJ2528 6x2		6375	5175 - 6375	295/80R22.5	N/A	
FOX2WN	FO3128		5175	N/A	295/80R22.5	N/A	
FZY1WF	FZ4028		3600	N/A	295/80R22.5	N/A	Tractor



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# NZ SERVICE BRAKE OUTPUT DATA

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[Calculation Condition]  
 - Service Brake Air Pressure: 8 kgf/cm<sup>2</sup>  
 - Service Brake Actual Efficiency: 0.7  
 [Service Brake Power Data]

This information is applicable for  
 FUSO Enduro trucks sold in New Zealand

FACTORY MODEL CODE	FAV1PH	FIV1PK, FIV2PF	FJX4WL	FJX3WK	FJY1WT	FOX2WN	FZY1WF
LOCAL MODEL CODE	FA914 / 917	FI1217	FJ1628	FJ2528	FJ2528	FO3128	FZ40287
EMISSION STANDARD	EURO 5						
AXLE FORMULA	4x2	4x2	4x2	6x4	6x2	8x4	4x2
GVW (KG)	9000	12000	16000	25000	25000	31000	40000
Service Brake Air Pressure (kgf/cm <sup>2</sup> )	8	8	8	8	8	8	8
Service Brake Actual Efficiency	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Brake Drum Dia. (mm)	325	360	410	410	410	410	410
Front 1st	Service Brake Chamber Size	#12	#16	#24	#24	#24	#24
	Brake Torque Coefficient (kgfm)/(kg/cm <sup>2</sup> )	146.8	216.8	362.7	362.7	362.7	362.7
	Tyre Size	235/75R17.5	255/70R22.5	295/80R22.5	295/80R22.5	295/80R22.5	295/80R22.5
	Tyre Dynamic Radius (m)	0.387	0.451	0.516	0.516	0.516	0.516
	Brake Power per Axle (kgf/axle)	3156	3998	5850	5850	5850	5850
Front 2nd	Service Brake Chamber Size					#24	
	Brake Torque Coefficient (kgfm)/(kg/cm <sup>2</sup> )					362.7	
	Tyre Size					295/80R22.5	
	Tyre Dynamic Radius (m)					0.516	
Brake Power per Axle (kgf/axle)					5850		
Rear 1st	Service Brake Chamber Size	#12/24	#16/24	#24/24	#24/24	#24/24	#24/24
	Brake Torque Coefficient (kgfm)/(kg/cm <sup>2</sup> )	146.8	216.8	362.7	362.7	362.7	362.7
	Tyre Size	235/75R17.5	255/70R22.5	295/80R22.5	295/80R22.5	295/80R22.5	295/80R22.5
	Tyre Dynamic Radius (m)	0.387	0.451	0.516	0.516	0.516	0.516
	Brake Power per Axle (kgf/axle)	3156	3998	5850	5850	5850	5850
Rear 2nd	Service Brake Chamber Size (Wheel cylinder size)				#20/24	#20/24	#20/24
	Brake Torque Coefficient (kgfm)/(kg/cm <sup>2</sup> )				302.3	302.3	302.3
	Tyre Size				295/80R22.5	295/80R22.5	295/80R22.5
	Tyre Dynamic Radius (m)				0.516	0.516	0.516
Brake Power per Axle (kgf/axle)				4875	4875	4875	
Service Brake Power per Vehicle (kgf/Vehicle)	6312	7996	11700	16575	16575	22425	11700
Brake Efficiency against GVW (%)	70	67	73	66	66	85	73



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