

TECHNICAL SPECIFICATIONS - CHASSIS 50 MINI LC 2003

	50 SX PRO JUNIOR LC	50 SX PRO SENIOR LC
Frame	single downtube, split-cradle	
Fork	Marzocchi Ø = 32 mm (1.26 in)	
Wheel travel front/rear	135/200 mm (5.3/8 in)	175/185 mm (6.9/7.4 in)
Rear suspension	Central shock absorber WP	
Front brake	Disk brake Ø 160 mm (6.4 in)	
Rear brake	Drum brake Ø 90 mm (3.5 in)	
Tires front/rear	2.50x10" Pirelli MT32A / 2.75x10" MT320	2.50x12" Vee Rubber V270 / 2.75x10" V271
Tire pressure	front/rear: 1.0 bar	
Fuel tank capacity	1.8 Liters	
Final drive ratio	11 : 48	
Chain	1/2x3/16" 96 rolls	1/2x3/16" 104 rolls
Steering angle	63°	64°
Wheel base	914 mm (36 in)	1030 mm (40 in)
Seat height, unloaded	590 mm/615 mm (23.2/24.2 in)	650/675 mm (25.6/26.6 in)
Ground clearance	220 mm (8.6 in)	255 mm (10 in)
Dead weight without fuel	40 kg	
Rider's body height	max. 130 cm (5.1 in)	
Rider's body weight	max. 35 kg (78 lbs)	
Recommended age of rider	6-10 years	
Engine	50 LC	

TIGHTENING TORQUES

Hexagon nuts front/rear axle	M12x1	30 Nm
Hexagon nut swing arm bolt	M12	40 Nm
Clamping screw upper/lower fork bridge	M8	15 Nm
Screws handlebar clamp	M8	20 Nm
Shock absorber top/bottom	M10	45 Nm
Allan screw – Handlebar support	M10	Loctite + 40 Nm
Front brake caliper	M8	Loctite + 20 Nm
Front brake disk	M6	Loctite + 10 Nm
Spoke nipple	M4	2,5 - 3 Nm
Other chassis screws	M5	6 Nm
	M6	10 Nm
	M8	25 Nm
	M10	45 Nm

STANDARD-ADJUSTMENT – FORK

Spring	2.0 N/mm
Preload	10 mm (0.4 in)
Fork oil	SAE 7.5
Air chamber length	110 mm (4.3 in)

STANDARD ADJUSTMENT - SHOCK ABSORBER

	WP 0318X914	WP 0318X915
Rebound adjuster	5	5
Spring	85 N/mm	45 N/mm
Spring preload	7 mm (0.28 in)	7 mm (0.28 in)