

TECHNICAL SPECIFICATIONS – CHASSIS »

CHASSIS	50 MINI SX	50 MINI ADVENTURE
Frame	single downtube, split-cradle	
Fork	Marzocchi Ø = 32 mm (1,26 in)	
Wheel travel front/rear	110/171 mm (4.3/6.8 in)	120/185 mm (4.7/7.3 in)
Rear suspension	Central shock absorber White Power 03.18.9D.04	Central shock absorber Paioli
Front brake	Disk brake Ø 160 mm (6.4 in)	Drum brake Ø 90 mm (3,5 in)
Rear brake	Drumbrake Ø 90 mm (3,5 in)	
Tires front/rear	2.50x10" Pirelli 33J / 2.75x10" Pirelli 33J	2.50x10" Pirelli 33J / 2.50x10" Pirelli 33J
Tire pressure	front/rear: 1.0 bar / 1.0 bar	front/rear: 1.0 bar / 1.0 bar
Fuel tank capacity	2 liter (0.52 US gallons)	
Final drive ratio	11 : 48	
Chain	1/2x3/16" 104 rolls	1/2x3/16" 96 rolls
Steering angle	66°	66°
Wheel base	910 mm (35.8 in)	910 mm (35.8 in)
Seat height, unloaded	530 or 550 mm (21 or 21.7 in) adjustable	530 or 550 mm (21 or 21.7 in) adjustable
Ground clearance	182mm (7.2 in)	182mm (7.2 in)
Rider's body height	max. 130 cm (51 in)	
Rider's body weight	max. 35 kg (78 lbs)	
Recommended age of rider	4 - 6 years	
Engine	50 AC	

TIGHTENING TORQUES – CHASSIS		
Hexagon nuts front axle	M12x1	40 Nm
Hexagon nuts rear axle	M12x1	40 Nm
Hexagon nut swing arm bolt	M10	45 Nm
Clamping bolt top triple clamp	M8	25 Nm
Clamping bolt bottom triple clamp	M6	10 Nm
Screws handlebar clamp	M8	20 Nm
Allan screw – Handlebar support	M10	Loctite 243 + 40 Nm
Front brake caliper	M8	Loctite 243 + 20 Nm
Front brake disk	M6 (10.9)	Loctite 243 + 15 Nm
Screw for brake pads	M6	4 Nm
Shock absorber top	M10	45 Nm
Shock absorber bottom	M10	45 Nm
Spoke nipple Mini Adventure	M3,5 (SW5)	3 Nm
Mini SX	M3,5 (SW5), M4 (SW5,5)	3 Nm
Other chassis screws	M5	6 Nm
	M6	10 Nm
	M8	25 Nm
	M10	45 Nm

STANDARD-ADJUSTMENT – FORK	
	50 MINI SX / MINI ADVENTURE
Spring	2,0 N/mm
Preload	10 mm (0.4 in)
Fork oil	SAE 7.5
Air chamber length	100 (3.9 in) / 110 mm (4.3 in)

STANDARD ADJUSTMENT – SHOCK ABSORBER		
	50 MINI SX	50 MINI ADVENTURE
Spring preload	5 mm (0.2 in)	8 mm (0.3. in)