

TECHNICAL SPECIFICATIONS - CHASSIS 50 MINI 2002

	50 MINI ADVENTURE	50 JUNIOR ADVENTURE	50 SENIOR ADVENTURE
Frame	single downtube, split-cradle		
Fork	Marzocchi Ø = 32 mm (1,26 in)		
Wheel travel front/rear	115/185 mm (4,5/7,3 in)	135/234 mm (5,3/9,2 in)	175/190 mm (6,9/7,5 in)
Rear suspension	Central shock absorber Paioli MC30		
Front brake	Drum brake Ø 90 mm (3,5 in)		
Rear brake	Drumbrake Ø 90 mm (3,5 in)		
Tyres	front/rear 2.50x10" VRM-140		
Tire pressure	front/rear: 1,0 bar / 1,0 bar		
Fuel tank capacity	1,8 Liter		
Final drive ratio	11 : 48		
Chain	1/2x3/16" 96 rolls		1/2x3/16" 104 rools
Steering angle	62°	63°	64°
Wheel base	910 mm (35,8 in)	914 mm (36 in)	1030 mm (40 in)
Seat height, unloaded	590 mm (23,2 in)	615 mm (24,2 in)	650 or 675 mm (adjustable) (25,6 or 26,6 in)
Ground clearance	190 mm (7,5 in)	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	4 - 6 years		
Engine	50 AC		

STANDARD-ADJUSTMENT – FORK

	50 AC
Spring	2,0 N/mm
Preload	10 mm (0,4 in)
Fork oil	SAE 7,5
Air chamber lenght	110 mm (4,3 in)

TIGHTENING TORQUES

Hexagon nuts front axle	M12x1	30 Nm (22 ft.lb)
Hexagon nuts rear axle	M12x1	30 Nm (22 ft.lb)
Hexagon nut swing arm bolt	M10	20 Nm (15 ft.lb)
Clamping screw upper fork bridge	M8	15 Nm (11 ft.lb)
Clamping screw lower fork bridge	M8	15 Nm (11 ft.lb)
Screws handlebar clamp	M8	20 Nm (15 ft.lb)
Shock absorber top / bottom	M10	45 Nm (33 ft.lb)
Other screws chassis	M5	6 Nm (4,5ft.lb)
	M6	10 Nm (7 ft.lb)
	M8	25 Nm (19 ft.lb)
	M10	45 Nm (33 ft.lb)