

# TECHNICAL SPECIFICATIONS - CHASSIS »

	50 SX JUNIOR	50 SX	50 SUPERMOTO
Frame	single downtube, split-cradle		
Fork	Marzocchi Ø = 32 mm		
Wheel travel front/rear	140/205 mm (5.5/8 in)	185/185 mm (7.3/7.3 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)	Disk brake Ø 140 mm (5.5 in)	
Tires front	2.50x10" Pirelli MT32A	2.50x12" Pirelli MT32A	90/90-10 Pirelli SL26
Tires rear	2.75x10" Pirelli MT320	2.75x10" Pirelli MT320	90/90-10 Pirelli SL26
Tire pressure	front/rear: 1.0 bar		
Fuel tank capacity	1.8 Liters		
Final drive ratio	11 : 48	10 : 44	
Chain	1/2x3/16" 96 rolls	1/2x3/16" 102 rolls	
Steering angle	66°		
Wheel base	910 mm (35.8 in)	1030 mm (40 in)	
Seat height, unloaded	585 mm/610 mm (23/24 in)	650/675 mm (25.6/26.6 in)	
Ground clearance	220 mm (8.6 in)	255 mm (10 in)	
Rider's body height	max. 130 cm (51 in)		
Rider's body weight	max. 35 kg (78 lbs)		
Recommended age of rider	4-7 years	6-10 years	
Engine	50 LC		

## TIGHTENING TORQUES

Hexagon nuts front/rear axle	M12x1	40 Nm
Hexagon nut swing arm bolt	M12	40 Nm
Clamping screw upper fork bridge	M8	20 Nm
Clamping screw lower fork bridge	M6	10 Nm
Screws handlebar clamp	M8	20 Nm
Shock absorber top/bottom	M10	45 Nm
Allan screw – Handlebar support	M10	Loctite 243 + 40 Nm
Front brake caliper	M8	Loctite 243 + 20 Nm
Front brake disk	M6	Loctite 243 + 10 Nm
Swing arm bolt	M12x1	40 Nm
Spoke nipple	M4	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

	50 SX Junior WP 03189B01	50 SX, 50 Supermoto WP 03189B02
Rebound adjuster	5	5
Spring	85 N/mm	45 N/mm
Spring preload	10 mm (0.39 in)	7 mm (0.28 in)