

## TECHNICAL SPECIFICATIONS - CHASSIS 105 SX 2004

Frame	Central chrome-moly-steel frame
Fork	telescopic fork White Power 43 MXMA
Wheel travel front/rear	275 mm (10,83 in)/ 300 mm (11,81 in)
Rear suspension	WP PDS 4618 (Progressive Damping System) shock absorber
Front brake	Disc brake Ø 220 mm (8,66 in), 4 piston
Rear brake	Disc brake Ø 200 mm (7,87 in), 4 piston
Tires front	70/100-19" Pirelli MT 32A
Tires rear	90/100-16" Pirelli MT 320
Air pressure	1.0 bar (14,403psi)
Fuel tank capacity	5.1 liter (1,346 USgal)
Final drive ratio	14 : 49 t
Chain	1/2 x 5/16" 122 rolls
Steering angle	66°
Wheel base	1278 mm (50,3 in)
Seat height, unloaded	900 mm (35,43 in)
Ground clearance	415 mm (16,34 in)
Dead weight without fuel	68 kg (150,1 lbs)
Rider's body weight	max. 70 kg (154,5 lbs)
Recommended age of rider	10 to 15 years
Engine	105 SX

### TIGHTENING TORQUES - CHASSIS

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Hexagon bolt - brake caliper front	M 8	Loctite 243 + 25 Nm
Allan head screw - brake pads rear	M 6	5 Nm
Flat head bolt - brake discs	M 6	Loctite 243 + 10 Nm
Hexagon nut - front wheel spindle	M 10x1.5	30 Nm
Hexagon nut - rear wheel spindle	M 20x1.5	80 Nm
Hexagon nut - swingarm bolt	M 14/M 16x1.5	75 Nm
Clamping bolts - top triple clamp	M 8	20 Nm
Clamping bolts - bottom triple clamp	M 8	15 Nm
Bolt - handlebar clamp	M 8	20 Nm
Spoke nipple	M 4,5/M 5	5 Nm
Other chassis bolts	M 6	10 Nm
	M 8	25 Nm
	M 10	45 Nm
	M 12	60 Nm

### STANDARD ADJUSTMENT - SHOCK ABSORBER

	WP 4618 PDS-DCC WP 1518Y706
Compression adjuster	17 LS (low speed) 2 HS (high speed)
Rebound adjuster	24
Spring	40-215
Spring preload	4 mm (0,158 in)

### STANDARD ADJUSTMENT – FORK

	WP 4357 MXMA 0518Y740
Compression adjuster	20
Rebound adjuster	20
Spring	3 N/mm
Spring preload	6 mm (0,236 in)
Air chamber length	100 mm (3,937 in)
Fork oil	SAE 5