

TECHNICAL SPECIFICATIONS – CHASSIS

CHASSIS	105 SX
Frame	Central chrome-moly-steel frame
Fork	telescopic fork WP Suspension 43 MXMA
Wheel travel front/rear	275 mm / 300 mm
Rear suspension	WP PDS 4618 (Progressive Damping System) shock absorber
Front brake	Disc brake Ø 220 mm, 4 piston
Rear brake	Disc brake Ø 200 mm, 4 piston
Tires front	70/100-19" Pirelli MT 32A
Tires rear	90/100-16" Pirelli MT 320
Air pressure	1.0 bar
Fuel tank capacity	5.1 liter
Final drive ratio	14 : 49 t
Chain	1/2 x 5/16" 122 rolls
Steering angle	66 °
Wheel base	1290 mm
Seat height, unloaded	900 mm
Ground clearance	415 mm
Dead weight without fuel	68 kg
Rider's body weight	max. 75 kg
Recommended age of rider	10 to 15 years

STANDARD ADJUSTMENT – FORK	
	WP 4357 MXMA 05187B05
Compression adjuster	20
Rebound adjuster	20
Spring	3 N/mm
Spring preload	3 mm
Air chamber length	110 mm
Fork oil	SAE 5

STANDARD ADJUSTMENT - SHOCK ABSORBER	
	WP 4618 PDS-DCC WP 15187B02
Compression adjuster	15 LS (LOW SPEED) 2 HS (HIGH SPEED)
Rebound adjuster	22
Spring	35-215
Spring preload	4 mm

TIGHTENING TORQUES - CHASSIS		
Hexagon bolt - brake caliper front	M 8	Loctite 243 + 25 Nm
Allan head screw - brake pads rear	M6	5 Nm
Flat head bolt - brake discs	M6	Loctite 243 + 10 Nm
Hexagon nut - front wheel spindle	M 10x 1.5	40 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	4.5 - 6 Nm
Other chassis bolts	M6	10 Nm
	M8	25 Nm
	M10	45 Nm