TECHNICAL DATA - CHASIS 450/525 SMR, 450/540 SXS RACING 2005

CHASSIS	450/525 SMR	450/540 SXS
Frame	Central tube chrome-moly-steel frame	
Fork	WP Up Side Down 4860 MA	
Wheel travel front/rear	285/300 mm	300/335 mm
Rear suspension	WP Progressive Damping System shock absorber, aluminium swing arm	
Front brake	Disk brake with carbon-steel brake disc, brake caliper floated	
	Ø 310 mm	Ø 260 mm
Rear brake	Disk brake with carbon-steel brake disc, brake caliper floated	
	Ø 220 mm	
Brake disc	Wear limit max. 2,5 mm front and 3,5 mm rear	
Front tires Air pressure offroad Air pressure road driver only	120/75 R 17 KR 106 -- 1,5 bar	80/100 - 21“ 1,0 bar --
Rear tires Air pressure offroad Air pressure road driver only	165/55 R 17 KR 108 -- 1,6 bar	110/90 - 19“ 1,0 bar --
Fuel tank capacity	7,0 liters	
Final drive ratio	14:45	450-14:52 / 525-14:48
Chain	X-Ring 5/8 x 1/4 "	
Available final sprockets	38Z, 40Z, 42Z, 45Z, 48Z, 50Z, 52Z	
Steering head angle	63,5°	
Wheel base	1481 ± 10 mm	
Seat height, unloaded	855 mm	925 mm

STANDARD ADJUSTMENT - FORK		
	450/525 SMR	**450/540 SXS**
	WP4860PAMA 14.18.7A.18	WP4860MXMA 1418Y762
Compression adjuster	19	18
Rebound adjuster	12	20
Spring	4,6 N/mm	4,4 N/mm
Spring preload	20 mm	513* mm
Air chamber length	100 mm	110 mm
Fork oil	SAE 5	SAE 5

*Total length including pretension spacer

STANADARD ADJUSTMENT-SHOCK ABSORBER		
	450/525 SMR	**450/540 SXS**
	WP 5018 PDS DCC 12.18.7A.15	WP 5018 PDS BAVP 12187A06
Compression adjuster	13 LS (low speed) 2 HS (high speed)	15 LS (low speed) 2 HS (high speed)
Rebound adjuster	19	22
Spring	88/250	87,5/240
Spring preload	8 mm	5 mm

TIGHTENING TORQUES - CHASSIS		
Collar screw, front wheel spindle	M24x1,5	40 Nm
Brake caliper, front	M8	Loctite 243 + 25 Nm
Brake caliper, front radial	M10x1,5	Loctite 243 + 40 Nm
Brake disk, front/rear	M6	Loctite 243 + 10 Nm
Clamping screws, top triple clamp SX/SMR/SXS	M8	15 Nm
Clamping screws, bottom triple clamp SX/SMR/SXS	M8	10 Nm
Clamping screws, top triple clamp MXC/EXC	M8	20 Nm
Clamping screws, bottom triple clamp MXC/EXC	M8	15 Nm
Clamping screws, fork stubs	M8	15 Nm
Collar nut, rear wheel spindle	M20x1,5	80 Nm
Hexagon nut, swing arm bolt	M14x1,5/M16x1,5	100 Nm
Hexagon collar screw, handlebar clamp	M8	Loctite 243 + 20 Nm
Allan head screw, handlebar support	M10	Loctite 243 + 40 Nm
Shock absorber, top/bottom	M12	80 Nm
Sprocket nuts	M8	Loctite 243 + 35 Nm
Ball joint for push rod	M6	Loctite 243 + 10 Nm
Engine mounting bolt	M10	60 Nm
Engine brace	M8	33 Nm
Screw adjusting ring spring preload shock abs	M6	8Nm
Spoke nipple	M4,5 / M5	4-6 Nm
Hexagon screw for steering head	M20x1,5	10 Nm
AH screw for subframe	M8	Loctite 243 + 35 Nm
Rim lock	M8	10 Nm
Hexagon collar nut for seat mounting	M12x1	20 Nm
Other screws on chassis	M6 M8 M10	10 Nm 25 Nm 45 Nm
Other collar nuts on chassis	M6 M8 M10	15 Nm 30 Nm 50 Nm

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