

# TECHNICAL REGULATIONS FOR CLASSIC SUPERSPORT

(Sanctioned at the Nordic Motorsport Council October 2017 for 2018)

## **General:**

These regulations are based on the FIM Supersport regulations for the years 1988 – 1998.

**1. Type and age:** The class is open to bikes that were used or could have been used in the FIM Supersport class for the years 1988 through 1998.

These are bikes that are based on road going machines that were homologated for Supersport racing. Additional bikes could be approved. Approval must be handled by the Nordic Machine Committee.

When preparing bikes for use in this class, only parts and equipment that were available within the time period shall be used. The following shall apply:

**2. Machine Card:** Machine card is required for racing and parade.

Some owners of bikes that are eligible for this class may have a vehicle license or equivalent, issued by their National federation for modern racing. Nevertheless, a classic machine card is required to participate in classic racing events.

**3. Frame and swing arm:**

The frame must remain as originally produced by the manufacturer. Nothing can be added or removed from the frame body. Rear sub frame must remain as originally produced by the manufacturer. Additional seat brackets may be added but none may be removed. Bolt-on accessories to the rear sub frame may be removed.

Swing arm must remain as originally produced by the manufacturer.

**4. Front fork:**

Forks must remain as originally produced by the manufacturer.

Internal parts of the forks and fork caps may be modified or replaced. After market damper kits or valves may be installed.

The upper and lower fork clamps (triple clamp, fork bridges) must remain as originally produced by the manufacturer.

**5. Steering Damper:** Steering damper with electric adjustment is not permitted

**6. Steering:** Reference is made to FIM technical regulations.

**7. Wheels:**

Wheels must remain as originally produced by the manufacturer for the particular machine.

Wheels constructed of carbon fibre are not allowed.

The speedometer drive may be removed and replaced with a spacer.

If the original design included a cushion drive for the rear wheel, it must remain as originally produced.

Wheel diameter and rim width must remain as originally produced by the manufacturer.

**8. Brakes:**

Front and rear brake-discs may be changed but must fit the original calliper and mounting.

Brake discs must be of ferrous material.

Brake callipers (mount, carrier, hanger) must remain as originally produced by the manufacturer.

The front master cylinder may be changed. The type of cylinder must be of the same type as the original cylinder (i.e. radial or not) and as manufactured within the time period.

Rear master cylinder must remain as originally produced by the manufacturer for the particular

machine.

Front and rear hydraulic brake lines may be changed.

Brake pad locking pins may be replaced by modified type.

**9. Tires:** Slick and rain tires are allowed. The valve shall be made of metal and of short model. Valve cap to be of metal and equipped with a gasket.

**10. Rear Suspension:**

The linkage must remain as originally produced by the manufacturer. Suspension unit is free within the types that were used during the period. The various types of suspension units used during the period and later, without major modifications, are considered to have the same functionality and are therefore allowed. Öhlins type TTX36 or equivalent dampers with i.e. electric adjustment are not allowed.

**11. Tank, seat and fairing:**

Fuel tank must remain as originally produced by the manufacturer

Fuel caps may be changed.

Seat, seat base and associated body work may be replaced with parts of similar appearance as originally produced by the manufacturer, but the material can be changed.

The top portion of the rear body work around the seat may be modified to a solo seat.

Fairing, and body work must appear to be as originally produced by the manufacturer, but the material may be changed.

The original combination instrument/fairing brackets may be replaced. All other fairing brackets may be altered or replaced.

**12. Number plate:** For design, reference is made to general technical regulations. Colours shall be white bottom (RAL code 9010) with blue numbers (RAL code 5010).

**13. Engine:** Engine block, cylinder and cylinder head must be as originally supplied on the bike, but can be modified unless the appearance is not changed. Valve sizes shall be as original.

Clutch and clutch actuation system must remain as originally produced by the manufacturer

Crankshaft must be as originally produced by the manufacturer, without modifications.

Modifications to flywheels are not allowed.

This class is open for 4-stroke motorcycles only.

4 cylinder bikes can have cylinder volume up to 600 ccm

2 cylinder bikes can have cylinder volume up to 750 ccm

Boring to fit over size pistons is allowed as long as the manufacturer's standard over sizes for the particular machine is used, even if the cylinder volume limit is exceeded.

**14. Oil hoses, drain plugs and filling plugs:** See general technical regulation.

**15. Vents:** See general technical regulation.

**16. Air Intake Box, Carburetors / Injection:**

The air intake box must remain as originally produced by the manufacturer. The air filter element may be removed.

The original air ducts running from the fairing to the air box may be altered or replaced.

Carburetors must be the standard units. Carburetor jets and needles may be replaced. Resizing of the air metering holes in CV carburetors slide control is permitted.

Throttle bodies and injectors for Fuel Injection System must be standard units for the particular machine.

Bell mouths may be altered or replaced from those fitted by the manufacturer.

Butterfly cannot be changed or modified.

The fuel injection management computer chip (EPROM) may be changed.

Fuel pump and fuel pressure regulator must remain as originally produced by the manufacturer.

**17. Ignition system:** No restrictions to the ignition system. The bike shall be equipped with an ignition cut-off switch easily accessible on the handlebar.

**18. Gearbox:** Maximum 6 gears allowed.

**19. Transmission:** See general technical regulation.

**20. Exhaust system and silencer:** There is no restriction to the exhaust system, except that it must be equipped with a silencer to satisfy the noise restrictions. Silencer can be terminated behind the rear wheel if necessary to meet the noise restrictions.

**21. Instruments, handles and levers:** No restrictions to instruments as long as they are typical for the period. Handles and levers must comply with the general technical regulations. The throttle grip must return to closed position when released.

**22. Electronic systems:** ABS is not allowed. Control system for wheel lift is not allowed. Launch control system is not allowed. Data logging is not allowed. Quick shifts are not allowed.

Electronic systems not described as eligible are not allowed if not cleared with the technical committee and written into the machine card

**23. Electric starter:** Must function as originally intended by the manufacturer

**Generally:** The bike shall be prepared for racing.

These rules has an appendix stating a number of bikes that are allowed and prohibited. Any changes in this appendix shall be decided by the Nordic technical committee.

# Appendix to the Classic Supersport regulation for 2018

**Listing with guidelines and examples of bikes and their legitimacy. Bikes not listed will be evaluated separately by contacting the technical committee. Bikes produced unchanged for 1998 and later will also be legitimate.**

## **Bimota**

YB-9/SRi 1994-1998 (Yamaha YZF600 motor) is allowed

## **Ducati**

748 1994-2002 (E, S, SP, SPS and R) is allowed

Supersport 750 1991-2002 is allowed

## **Honda**

CBR600F 1987-1990 is allowed

CBR600F2 1991-1994 is allowed

CBR600F3 1995-1998 is allowed

CBR600F4 is **not** allowed

## **Kawasaki**

ZX6-R 1995-1997 is allowed

ZX6-R 1998-1999 is allowed

ZZR600 1995-1999 is allowed

ZX6-RR is **not** allowed

## **Suzuki**

GSX-R 600 1992-1993 is allowed

GSX-R 600 SRAD 1996 – 2000 is allowed

GSX-R 600 K1, K2, K3 etc. is **not** allowed

## **Yamaha**

FZR600 is allowed

Thundercat YZF600R 1996-2003 is allowed

YZF-R6 99-01 is **not** allowed