

2009 S.D.K.A Championship Classes

CLASS STRUCTURES

Kids Karts

Age	5-7years (Attained Age)
Motor	Comer C-51 Piston Port (I.K.F. 622.50); Old-Style C-50 Motors are Allowed with a 20-lb. Weight Handicap
Chain/Gearing	219 chain, 10-tooth driver, 89 tooth axle sprocket
Weight/Specs	1. 150-lb.; 170-lb. for Old Style Motors 2. 40-inch Maximum Front Width 3. 39-inch Minimum, 42-inch Maximum Rear Width
Fuel	➔ Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A; front 4:50-5; rear max. 5:50-5; (20psi max after event)
See I.K.F. 208.3 for more specific class regulations	

Junior 1

Age	8-11 years
Motors	1. 80cc DAP T-40 2. Yamaha 100cc KT-100S with 0.600 Restrictor or Optional Carburetor (I.K.F. 623.4.2) 3. RLV Box Muffler - YBX (I.K.F. 623.1) 4. Engine Clutch Only - No Direct Drive
Weight/Specs	1. 225-lb. 2. Additional 20-lb penalty for old style Yamaha cylinder 3. 50-inch Maximum Rear Width
Fuel	➔ Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A

HPV 1 Cadet

Age	8-11 years
Motors	1. Horstman HPV 100 (No Comet K-71) 2. HPV1 Pipe (I.K.F. 620.59.2, 620.54.3) 3. Header and Flex (I.K.F. 620.54.1) ➔ 4. Spec Clutch (I.K.F. 620.53)
Weight/Specs	1. 240-lb. 2. 50-inch Maximum Rear Width
Fuel	➔ Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A

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CLASS STRUCTURES

HPV 2 Junior

Age	12-15 years
Motors	1. Horstman HPV 100 (No Komet K-71) 2. HPV2 Pipe (I.K.F. 620.54.4) 3. Header and Flex (I.K.F. 620.54.1) ➔ 4. Spec Clutch (I.K.F. 620.53)
Weight/Specs	1. 310-lb. 2. 55-1/8-inch Maximum Rear Width
Fuel	➔ Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A



HPV 4 Senior

Age	16 and up
Motors	1. Horstman HPV 100 (No Komet K-71) 2. HPV4 Pipe (I.K.F. 620.54.5) 3. Header and Flex (I.K.F. 620.54.1) 4. Spec Clutch (I.K.F. 620.53)
Weight/Specs	1. 340-lb. 2. 55-1/8-inch Maximum Rear Width
Fuel	Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A

Formula Y/C Heavy

Age	16 and up
Motors	1. Yamaha 100cc KT-100S (new style "787" cylinder only) 2. RLV 8787 Pipe Kit, Header and 12-1/4" Minimum Flex (I.K.F. 623.9 and 623.10) 3. Engine Clutch Only - No Dry Clutch; No Direct Drive
Weight/Specs	1. 370-lb. Total Weight 2. 55-1/8-inch Maximum Rear Width
Fuel	➔ Spec fuel/oil mix: MS98 with Maxima 927 or Burris Hi-Rev Castor (driver's option); eight (8) ounces oil per gallon of fuel
Tires	Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A; Rear Option 6.0 or 7.10

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CLASS STRUCTURES

80cc Shifter

(ProKart Challenge Series K1)

Age	→ 14+ (under 15, two years race experience and Race Director approval)
Motors	1. Honda CR-80 2. Kawasaki KX-80 3. Suzuki RM-80 4. Yamaha YZ-80, TM80 MX
Weight	360-lb. w/o Front Brakes; 370-lb. with Front Brakes
Rear Width	55-1/8 inches
Fuel	1. Fuel - ProKart Spec Fuel 2. Oil - ProKart Spec Oil; Fuel/Oil Ratio (open)
Tires	ProKart Spec Tires or SDKA Spec Tires (drivers option)

Class and Motor Standards per the **Superkarts!USA 2008-2010 Rules and Regulations**

→ Stock 125cc Shifter - Light (ProKart Challenge Series S3)

Age	14+ (under 15, two years race experience and Race Director approval)
Motors	1. 1999-2001 Honda CR-125, Stock OEM 2. 1997 Cylinder & Head may be used; No Grinding
Weight	385-lb.
Rear Width	55-1/8 inches
Fuel	1. Fuel - ProKart Spec Fuel 2. Oil - ProKart Spec Oil; Fuel/Oil Ratio (open)
Tires	ProKart Spec Tires or SDKA Spec Tires (drivers option)

Class and Motor Standards per the **Superkarts!USA 2008-2010 Rules and Regulations**

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CLASS STRUCTURES

➔ **Stock 125cc Shifter - Heavy**
 (ProKart Challenge Series S4)

Age	35 and up 14 to 35 - Driver weight of 200+ lbs. (with all driving Gear)
Motors	1. 1999-2001 Honda CR-125, Stock OEM 2. 1997 Cylinder & Head may be used; No Grinding
Weight	415-lb.
Rear Width	55-1/8inches
Fuel	1. Fuel - ProKart Spec Fuel 2. Oil - ProKart Spec Oil; Fuel/Oil Ratio (open)
Tires	ProKart Spec Tires or SDKA Spec Tires (drivers option)

Motor Standards per the **Superkarts!USA 2008-2010 Rules and Regulations**

➔ **Open 125cc Shifter**
 (ProKart Challenge Series S1 and G)

Age	14+ (under 15, two years race experience and Race Director approval)
Motor	Moto: Honda CR-125, Kawasaki KX-125, Suzuki RM-125, Yamaha YZ-125, TM Moto 125 ICC: As currently approved by CIK-FIA; per SKUSA 20.3.3
Weight	385-lb.
Rear Width	55-1/8 inches
Fuel	1. Fuel - ProKart Spec Fuel 2. Oil - ProKart Spec Oil; Fuel/Oil Ratio (open)
Tires	ProKart Spec Tires or SDKA Spec Tires (drivers option)

Class and Motor Standards per the **Superkarts!USA 2008-2010 Rules and Regulations**

2009 S.D.K.A Championship Classes

CLASS STRUCTURES

→ TaG - Senior & Masters

Age Senior - 16 and up
Masters - 35 and up or Driver weight of 200+ lbs. (with all driving Gear)

Motors &
Weights:*

	<u>Senior</u>	<u>Masters</u>
BM Jaguar	370 lbs.	400 lbs.
Cheetah 125	370 lbs.	400 lbs.
Easykart 125	370 lbs.	400 lbs.
Motori 7	370 lbs.	400 lbs.
Parilla Leopard	370 lbs.	400 lbs.
PRD	370 lbs.	400 lbs.
PRD Fireball 2008	370 lbs.	400 lbs.
Rotax FR125	370 lbs.	400 lbs.
Sonik VX125	370 lbs.	400 lbs.
Sonik TX125	385 lbs.	415 lbs.
Vortex ROKTT	385 lbs.	415 lbs.

*Motor and Weight specification per **IKF 2009 Rules, Sections 275 and 675**. Weights may be adjusted based on IKF updates. Weight adjustments may be made by SDKA Board of Directors during the Competition Season, if a change is warranted.

Fuel/Oil MS98 with Burris Hi-Rev or Maxima 927 castor oil. Ratio as recommended by motor manufacturer.
Rotax engines may use VP MS93 and Motul 800 2T Off Road Oil.

Tires Maxxis HG3 or MH, Bridgestone YHC, Burris B55A or B44A, or MoJo (per RMC)

Rotax air box must remain as per RMC rules.

See Policy 100.2 for more specific class regulations.

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CLASS STRUCTURES

Additional Specifications

1. → Air Boxes (Induction Silencers) are required on all karts in all S.D.K.A. events except Kid Karts. Air Boxes shall conform to I.K.F. 603.1.4 except Shifters and TaG, as follows:
 - a. Stock 125cc Light and Heavy, Open 125cc (Moto and ICC), and 80cc: Air Boxes shall be in stock form with NO MODIFICATIONS to the box or the inlet tubes. Air Boxes may have up to three (3) inlet tubes, each not to exceed 30mm inside diameter and 95mm minimum length. Approved Air Boxes are limited to CIK approved and RLV.
 - b. TaG: Open but must be CIK homologated or RLV with two (2) inlet tubes not to exceed 22.0mm (± 1.0 mm) inside diameter and 95.0mm minimum length. Air Boxes may not be modified although the rubber flange may be trimmed on the inside of the Air Box to the flange lip. Aftermarket internal foam air filters are allowed as long as no modification is made to the Air Box itself. Rotax Air Box must remain as per RMC rules.

 2. → Use of Spec Silencers for Shifters: The Infineon/Moran Spec Silencer (3-inch diameter x 14-inch length with turn-down tip; available from RCE, M4 and RLV) is required on all shifters in classes Stock 125cc Light and Heavy, Open 125cc (Moto engines only), and 80cc. Silencers shall be in stock form with NO MODIFICATIONS to the stinger end, packing, and/or turn-down tip. Silencer shall be mounted with the turn-down tip pointed fully toward the track surface for maximum noise reduction. **Correct mounting of the turn-down tip required at Pre-Tech, Grid before entering track, and Post-Race Tech.**

 3. → All helmets shall meet the requirements of IKF 105.1.6 Head Gear: "Full coverage (full face) helmets designed for competitive motorsports use are mandatory and must comply with one of the following:

"Snell Foundation Specifications	Legal Until
2000 SA and M	12/25/2009
2005 SA and M	12/25/2014
2005 K	12/25/2014
"SFI Specifications	Legal Until
24.1 (youth helmet)	12/25/2012
31.2a	12/25/2012
41.2a	12/25/2012
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CLASS STRUCTURES

24.1 / 2005 (youth helmet)	12/25/2014
31.1 / 2005	12/25/2014
41.1 / 2005	12/25/2014

"Helmet must be in good condition and is subject to pre-race technical inspection. It may also be inspected if it is damaged in an accident*. If the helmet shows any damage, IKF recommends that it be returned to the manufacturer for testing and recertification. Helmet must be secured with a strap. The driver is responsible for making sure that his or her helmet fits properly and is securely fastened before entering the racing surface. In the case of a minor, this is the parent or guardian's responsibility. Failure to properly secure the helmet before entering the racing surface may result in disqualification.

"*Accident: Accidents will be investigated and the involved karts may be required to stop for inspection by officials in charge. Race officials may also inspect driver helmet and other safety apparel for damage. The Race Director may impound damaged apparel.

"Modification: Any addition of devices, whether aerodynamic or other, to helmets is prohibited unless such devices have been certified (BY SNELL or SFI) with the helmets. It is the driver's responsibility to provide the helmet manufacturer's literature describing any added devices to the Pre Tech inspectors if requested."

Youth Helmet: For drivers under the attained age of 12.

4. CIK Style bodywork (nose piece, side pods and driver fairing) only per I.K.F. (201.9) and Region 7.