

# 2023 BERLIN MINI WEDGE RULES

(rules are subject to change at anytime)

## SECTION 1: CAR

**1:1** Wheelbase 45" – 49". Maximum width of the outside of the tire is 45".

**1:1:1** No more than 1/4 in of rear steer/lead will be allowed.

**1:2** There are to be no roofs, sail panels.

**1:3** A maximum of a 4-inch spoiler will be allowed. Spoiler side's maximum height will be 4 inches from deck and 9 inches long. Spoilers must be no wider than the rear deck of the body.

**1:4** Front window 3" name plates will be allowed to be placed at the top of the roll cage.

**1:5** All karts must be constructed of steel tubing with a complete 6-point roll cage including adequate side protection.

**1:5:1** Cages must be a minimum of .065 x 1" steel tubing welded to the frame.

**1:6** The engine must be located behind the driver's seat. No part of the engine can be located beside the seat.

**1:7** Floorpans are required to be made of steel or minimum .040" aluminum.

**1:7:1** Floorpans must be securely bolted, no rivets.

**1:7:2** The length of the floorpan must go from the center of the seat to the front of the frame going past the driver's pedals.

**1:8** All karts must have a full wedge late model appearing body.

**1:8:1** No open fenders will be allowed.

**1:8:2** There must be at least 4" of body behind the rear wheels.

**1:8:3** There will be no covered or enclosed motors all motors will always remain completely visible.

**1:8:4** A 4" deck can be added to the rear engine area/spoiler area. This measurement is from the rear top part of the body forward. See body drawing for details (6.1).

**1:9** Tires must be a Hoosier® (15600 "11x6.0-6 FK or 15456 10.5x4.5x6 FK).

**1:9:1** No grooving, sipping, treating, or soaking of tires.

**1:9:2** Tires must durometer 50, any tire that durometers at or below 48 will be deemed as treated and will result in a 12-month suspension.

**1:9:4** 2022 the only tire allowed will be the FK series.

**1:10** Rim width cannot be any wider than 6½" wide and must be at least 6" tall.

**1:11** Axle must be a steel axle 38" in length and a minimum of 3/16" wall thickness for whole axle.

**1:12** No suspension will be allowed. This includes springs, shocks, rubbers, torsion bars and any other type of dampening devise. **No adjustable a-arms or rear frame struts or adjustable frame rails allowed.**

**1:12:1** No free spinning hub or ratcheting hub will be allowed.

**1:13** Rear deck height cannot exceed a maximum of 27.5" from the ground and a minimum of 22" high from the ground.

**1:14** Rear quarter panels cannot exceed a maximum of 24" and a minimum of 20".

**1:15** Body must be constructed of .040" aluminum. Plastic may be used for nose, fenders, and trim.

**1:16** We highly encourage the doors and quarter panels to be wider than the tires with at the bottom of the doors and quarters to help prevent "wheel hop".

**1:17** At least one vertical door bar must be welded on each side of the driver running from the main rail to side crash bars for driver protection. See rear side view drawing for more details (6.1).

**1:18** Front and rear bumpers must be mounted at all time.

**1:18:1** Front and rear bumpers must have at least a 6" tall hoop.

**1:18:2** The front horizontal bumper bar **MUST** be completely covered by the nose piece.

**1:18:3** It is highly recommended on Karts that have a high rear bumper to add a lower hoop to keep karts from going underneath.

**1:19** Front and rear down tubes are mandatory for driver's protection.

**1:20** All tubing on main roll cage must be at least .065" wall tubing.

**1:21** Driver's seat must be mounted in four locations (4-Bolts).

**1:22** Two door 12" minimum numbers must be present.

**1:23** Accelerator cables must, always, have two return springs.

**1:24** Kill switch must be in reach of driver. It is highly recommended to have a second kill switch located on the upper B pillar in reach for officials.

**1:25** Weight rule karts will be split into two classes 6-9 and 10-14. 6-9 must weigh a min of 335 and 10-14 must weigh a min of 375lb

**1:25:1** All lead must be securely bolted/clamped to frame NOT the floor pan and painted white with drivers number.

**1:26** 5-point harness system is mandatory. All harness must have an SFI Rated patch and must not be expired.

## **SECTION 2: ENGINE**

**2:0** Berlin reserves the right to claim any motor at any time, refusal of claim will result in a suspension.

**2:0:1** If upon inspection the motor is found to be illegal it will result in a 1 year suspension. Please don't put your child in a position to be suspended.

**2:1** Engine will be the STOCK Harbor Freight® Predator 212 engine. Hemi or non-hemi. NO OTHER modifications will be allowed. (timing, oil psi ext.)

**2:2** **Governor Removal IS allowed For the 2023 season!!**

**2:3** Oil pressure shut off switch may be bypassed but must remain on and inside of engine.

**2:4** PLEASE do not put your child in a position to be D.Q. for the season due to an illegal engine.

**2:5** Any engine is subject to tear down at any point of the night.

**2:5:1** If refusal of teardown there will be an automatic suspension.

**2:6** No engine may be changed after any heat race has been run unless it has blown up (seized or internal damage causing loss of fluid). If then an engine is changed, the driver will start at the back of the feature race.

**2:7** You cannot alter the exhaust in anyway. Spark arrestor screen MUST be in muffler.

**2:8** You can change the spark plug only NO altering of plug wire.

**2:9** You can run an ARC air cleaner.

**2:10** NO RACING carburetor. NO jetting. Jets must measure 0.030 or less. Stock emulsion tube is to be used. Carburetors are subject to a go no go gauge check.

**2:10:1** No aftermarket carbs allowed(i.e Amazon,GoPowersports) MUST be the one that came on the motor when purchased.

**2:10:2** 6-9 class must use green restrictor plate.

**2:11** Only the clutch listed below are allowed with the following tooth count:

**2:11:1** MAX-Torque clutch SS with silver spring only.

**2:11:2** NO needle bearings allowed. Brass Bushings only.

**2:11:3** No jackshafts or torque converts.

**2:11:4** Spec Gearing. You can only run 13 tooth clutch and either a 63,64,65 or 66 rear gear or 12 tooth clutch with either 59,60,61 or 62 rear gear.

**2:12** The mission is to provide children a safe and competitive series to teach them the fundamentals, sportsmanship and completeness needed to grow into the sport as a young adult.

## **SECTION 3: RACE RULES**

**3:1** All drivers must be accompanied by a parent or legal guardian. Unless you are appointed his / her legal guardian, by law, you cannot sign a release form for them. Therefore, they cannot race. Any exception to this rule cannot be made by an official and must be brought before the track's management or track's insurance carrier for a decision.

**3:2** All cars will be lined up according to their pill draw. Failure to draw a pill before the lineup is turned into track officials will result in the driver starting at the tail of the heat.

**3:3** Arguing about scoring or judgment calls will not be tolerated. Confrontations / arguments with track officials, another parent, or fan can result in a minimal suspension of 2-weeks from all sanctioned tracks.

**3:4** The scoring tower is off limits to drivers and anyone who is not a track staff member.

**3:5** Any parent, driver, or member of any team involved in any type of confrontation with anyone at the track will result in a suspension of driver and parent or legal guardian for at least two weeks from all events.

**3:6** Age limit is 6-14 years of age. You must provide a copy of your birth certificate.

**3:7** There will be NO WARNINGS given out for bad behavior such as:

**3:7:1** No throwing a fit on the racetrack or pit area

**3:7:2** No arguing with the track officials, flagman or track owner.

**3:7:3** No going to another pit to argue this includes driver, crew, and anyone with a Mini Wedge.

**3:8** Any parent may tech any Mini Wedge prior to, during or after any race. Should you feel there is a question with anything on your car that may be illegal, you must address that with an official prior to the race.

**3:8:1** Should you be found to be illegal at the track after the race, you will be disqualified and eliminated for the entire calendar season.

**3:9** No children are allowed on the track after racing has begun. No parents are allowed on the track unless permitted by the head official at the track. This permission is only for help in the case of an accident, stuck or broken car.

**3:9:1** No parents can communicate directly with their driver about the race during cautions or anytime while the driver is on the track.

**3:9:2** No racing radios allowed.

#### **SECTION 4: DRIVER PERSONAL SAFETY**

**4:1** All drivers must wear an approved SFI – 1 certified or SFI13 – 2A/1 Fire Suit. SFI certification patch IS required on the fire suit.

**4:2** A full-face helmet is mandatory at all tracks.

**4:3** All drivers must wear a neck brace. H.A.N.S or Simpson or Nextgen is recommended.

**4:4** All drivers must wear arm restraints or have window nets on each window.

**4:5** All drivers must wear closed toe shoes.

**4:6** Fireproof gloves are mandatory.

#### **SECTION 5: RACE PROCEDURES**

**5:1** All vehicles must be able to stop and idle, on their own on the track, or they will not be allowed to compete.

**5:2** Cautions will be thrown when a driver spins out and is stopped on the track.

**5:3** Caution will be thrown when a driver drives off the track and is stuck.

**5:4** The caution car (judgment call) will be put to the tail.

**5:5** **Two cautions, then on the third the driver will be black flagged for that event. (DNF)**

**5:6** **The black flag will be thrown when a driver is driving rough, this is a judgement call and cannot be argued.**

**5:7** Race transponders will be mandatory if not required by the track.

**5:8** Heat races will be lined up as follows top 5-6 fastest (depending on field size) will be inverted.

**5:9** Feature redraw will be set by the track 6-9 invert.

**5:10** **Feature winner from previous feature race will start at the back of the feature at the next race the driver attends.**

#### **SECTION 6: BODY AND CHASSIS SPECS**

##### **6:1 CHASSIS & DIAGRAM DRAWINGS**

Body Width = 39" - 45" Max  
 Ground Clearance = 2" Min  
 Nose Clearance = 3" Min  
 Tire Clearance = 2" Min

