

Baltic Drag Racing Series

Technical Regulations 2020

		>13,5s	13,49s-11,5s	11,49s-11s	10,99s-9,9s	9,89s-8,5s	8,49s-7,5s
1	Helmets	<ul style="list-style-type: none">• DOT, ECE R22-05• BS6658 Type B (green label) or Type A (blue label)• SFI 41.1, 41.1A• Snell M95, M2000, M2005, M2010, M2015 or higher specification (see right)		<ul style="list-style-type: none">• BS6658 Type A/FR (red label)• SFI 31.1, 31.1A (open-face)• Snell K98, K2005, K2010, K2015• Snell SA95, SA2000• Snell SA2005, SA2010, SAH2010, SA2015 (open-face)• FIA 8858-2002,8858-2010 (open-face)• FIA 8859-2015 (open-face)• Snell EA2016 (open-face)• FIA 8860-2004, 8860-2010 (open-face) or higher specification (see right)		<ul style="list-style-type: none">• SFI 31.1, 31.2A (closed-face)• Snell SA2005, SA2010, SAH2010, SA2015 (closed-face)• FIA 8858-2002,8858-2010 (closed-face)• FIA 8859-2015 (closed-face)• Snell EA2016 (closed-face)• FIA 8860-2004, 8860-2010 (closed-face) or higher specification	
2	Wear	Long pants, long sleeve shirt (preferably cotton, wool or other non flammable material), closed boots. Fireproof racing suit recommended.		FIA or SFI approved fireproof suit and shoes (may be expired, must be in good condition).			
3	Other safety gear			<ul style="list-style-type: none">• Recommended inflammable underwear and balaclava (when using FIA suit)• Gloves		<ul style="list-style-type: none">• Neck support (maybe substituted by HANS)• Inflammable underwear and balaclava• Gloves	<ul style="list-style-type: none">• HANS device• Inflammable underwear and balaclava• Gloves
4	Certification/ sport car documents					Car should have valid national tag. Should be re tagged every 3 years.	
5	Body	<ul style="list-style-type: none">• All modifications must be safe.• In case of stock car all parts must be secure fastened to body (bonnet, headlamps, bumpers, etc).• Both front doors should freely open from inside and outside without additional tools and/or hardware.• If battery or fuel tank is located in trunk, trunk door must open from outside without additional tools and/or hardware.• All windows could be changed to min. 3mm clear polycarbonate.• Windscreen could be changed to min. 3mm clear polycarbonate only if the car has a roll cage.• It is prohibited to tint front and front side windows.• All cars must race with closed windows, sunroof and/or roof (for open top cars).					
6	Clearance	Minimum 75mm from front of car to 30 cm behind centerline of front axle; 50mm for remainder of car					
7	Interior	If interior panels are removed, all sharp edges should be covered by inflammable material (e.g 1mm steel plate). Instrument panel (dash) could be removed only if the car has a roll cage. Seats OEM or replaced by mass produced units (preferably FIA or SFI homologated, may be expired). Non OEM seats must be fitted according to FIA APPENDIX J – ARTICLE 253.		In case of chassis car, seat could be made of aluminum or composite materials and fastened to the chassis according FIA FIA Drag racing General Regulations 6.2 and Drawing 19.			

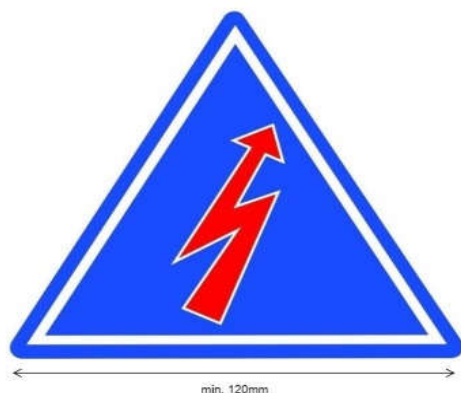
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		>13,5s	13,49s-11,5s	11,49s-11s	10,99s-9,9s	9,89s-8,5s	8,49s-7,5s
8	Roll bar/ roll cage	Recommended	Roll bar mandatory for convertible cars. See Picture 5	Roll bar mandatory for all cars (including T Tops). See Picture 5.	Roll cage mandatory for convertible cars or cars with modified floor and/or firewall. See Picture 6.	Roll cage meeting FIA/ NHRA drag regulations (Picture 6) or FIA APPENDIX J – ARTICLE 253 needed for all cars	Roll cage meeting SFI drag schemes needed
9	Roll bar/ roll cage padding	The roll bar or cage must be padded wherever it may come in contact with the driver’s helmet. Adequate padding should permit minimum 1/4-inch compression or meet FIA or SFI Spec 45.1					
10	Window net	Mandatory if using polycarbonate front windows and/or car has roll cage.					Mandatory.
11	Seat belts	OEM or min. 4 points with valid FIA or SFI certification. Non OEM seat belts anchoring points should use min. M10 10,9 bolt and min. 3mm thickness and 40cm2 area plate from other side of sheet metal.		Min. 6 points with valid FIA or SFI certification. Non OEM seat belts anchoring points should use min. M10 10,9 bolt and min. 3mm thickness and 40cm2 area plate from other side of sheet metal.			
12	Arm restraints	Recommended for open top cars.			Mandatory for open top cars		
14	Fire suppression system	Mandatory if car has nitrous oxide and/or water/methanol injection system (see Fuel system paragraph). Must be marked by sign (Picture 3).					Mandatory. Must be marked by sign (Picture 3).
15	Battery	Should be located in factory location and secured by factory mounting. If battery is moved from stock location master cut off must be used. Battery must be fastened by min 2 m10 bolts. All liquid filled batteries should be separated from driver compartment by inflammable sealed box, vented to outside.					
16	Master cut off switch	Mandatory when battery is moved from original location and/or car is equipped with nitrous and/or water methanol injection system (see Fuel system paragraph). Should be located at the back of the car or below windshield on the drivers side and signed by sticker (see picture 1). Driver must disable master cut off sitting in drivers seat with seat belts fastened.					Mandatory. Should be located at the back of the car or below windshield on the drivers side and signed by sticker (see picture 1). Driver must disable master cut off sitting in drivers seat with seat belts fastened.
17	Fuel system	Fuel system must retain OEM fuel tank or other safe closed fuel tank with ventilation vented outside fitted with rollover valve. It is recommended to use AN or other threaded fittings (e.g banjo) and braided hoses. It is prohibited to use clamped flexible fuel lines on pressure side from fuel pump to fuel pressure regulator. All fuel system components must be separated from driver compartment by inflammable min 1mm thickness sheet or box. All fuel system components must be securely separated from movable objects (flywheel, wheels, driveshafts, belts, etc). Car could be equipped with water/methanol injection system and nitrous oxide system, securely plumbed into intake manifold (mandatory fuel suppression system).		Car must have fuel cut off (quick fuel cut off valve in case of mechanical pumps or master electric cut off in case of electrical fuel pump).			
18	Fuel tank	If fuel tank is not mounted within frame or bodywork it should be made box out of 31,8mm 3mm mild steel or 1,5mm CrMo tubing. Fuel tank should be equiped with breather and rollover valve vented outside.					

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19	Nitrous Oxide	Commercially available nitrous oxide permitted, including supercharged and turbocharged engines. Nitrous bottle(s) in driver compartment must be equipped with a relief valve and vented outside of driver's compartment. Bottle(s) must be stamped with a DOT-1800 pound rating and permanently mounted (no hose clamps or tie wraps). Hoses from bottle(s) to solenoid must be high-pressure steel-braided. Commercially available, thermostatically controlled, blanket-type warmer accepted. Any other external heating of bottle prohibited. Must be marked by sign Picture 2.					
20	Liquid overflow	Min. 1L oil catch tank mandatory if engine breather is not routed back to intake system.					
21	Exhaust	No exhaust components can be run in driver compartment. Exhaust should route exhaust fumes and flames out from bodywork and away from fuel system components. In case of open downpipe (for turbocharged engines) it must contain 2 min. 8mm rods/bolts crossed at 90 degrees.					
22	Driveshaft loop			Mandatory. See Picture 4			
23	Flywheel/flexplate shield			Mandatory. If using custom flywheel/flexplate shield it should cover all flywheel perimeter (except differential area for FWD/AWD cars). It could be made of several parts bolted together with min 2 M10 bolts per junction. It should be fastened to engine or gearbox with min 4 M10 bolts. Shield should be made from 6,35mm thickness steel, min. 51mm width (64mm in case of multiple disc clutches).			
24	Transmission shield				Mandatory in case of planetary transmission. Must be in good condition. Not used with SFI certified transmission case.		
25	Driveline	Welded differential prohibited. Cars with live axle rear suspension must run disc brakes or axle retainers (c clip eliminators) fitted.					
26	Tires	Tires should be covered by bodywork (except open wheel cars/dragsters). Tire speed rating should be at least S mark (180km/h) and must be higher than car trap speed. Street tires must have min 1,6mm thread left.					
27	Brakes	All wheel hydraulic brakes mandatory.			Driving wheels (one axle) hydaulic brakes mandatory if car is equipped with braking parachute		
28	Parachute			Mandatory for cars running faster than 240km/h (150MPH).			

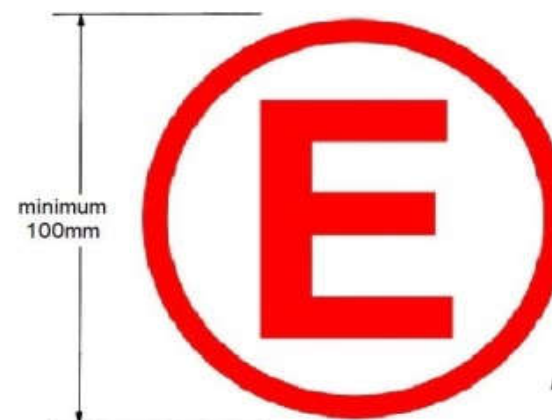
Picture 1



Picture 2


DRAWING 23
DESSIN 23

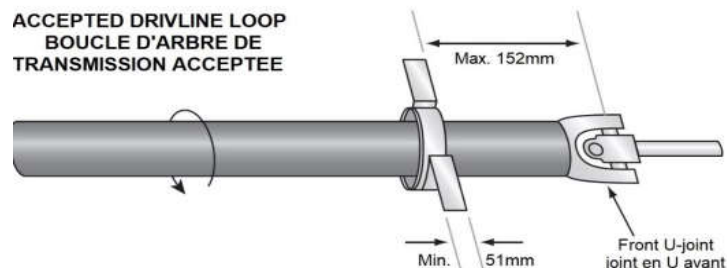
Picture 3


DRAWING 24
DESSIN 24

Picture 4

DRAWING 3
DESSIN 3

ACCEPTED DRIVELINE LOOP
BOUCLE D'ARBRE DE
TRANSMISSION ACCEPTEE



Picture 5

All cars with OEM frame must have the rollbar attached to the frame.
Toutes les voitures avec un châssis OEM doivent avoir un arceau fixe au châssis.

Cars without OEM frame use 152mm square by 3mm steel plates on top and bottom of the floor, securely bolted together with at least four 10mm bolts, or the top plate must be welded to rocker sill.

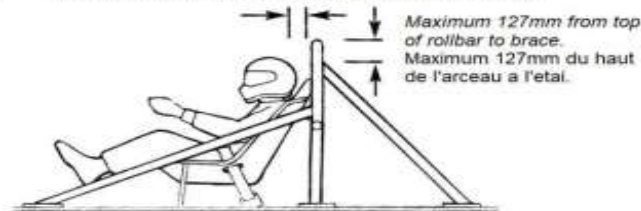
Les voitures sans châssis doivent utiliser des plaques d'acier carrées de 152x152x3mm de part et d'autre du plancher. Ces plaques seront fixées solidement l'une à l'autre par au moins quatre boulons de 10mm, ou la plaque supérieure sera soudeée au seuil de porte.

All materials must be 44,5x3mm mild steel or 2mm 4130 chrome moly or Docol R8 tubing, except for A which must be min. 32x3mm mild steel or 2mm 4130 chrome moly or Docol R8 tubing

Tous les matériaux doivent être des tubes de 44,5mm de diam. ext. par 3mm d'épaisseur en acier doux ou par 2mm en 4130 chrome molybdène / Docol R8, sauf pour A qui peut être en tube de 32mm de diam. ext. par 3mm d'épaisseur en acier doux, ou par 2mm en 4130 chrome molybdène / Docol R8.



Maximum 152mm from rollbar to driver's helmet.
Maximum 152mm entre l'arceau et le casque du pilote.



Picture 6

FULL-BODIED CARS - VOITURES A CARROSSERIE COMPLETE

8.50 seconds E.T. and slower - E.T. de 8,50 secondes ou plus
(tubing dim. according to table 2) - (dim. des tubes selon tableau 2)

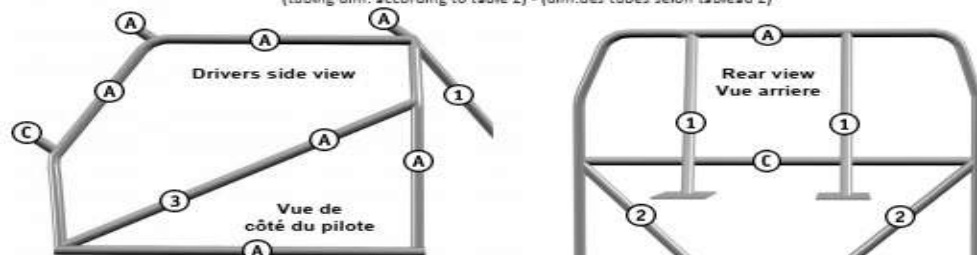


TABLE 2 - TUBING CODE / TABLEAU 2 - CODE DES TUBES

	Outside diameter Diamètre extérieur	Wall thickness (Chrome moly 4130 / Docol R8) Épaisseur (Chrome molybdène 4130 / Docol R8)	Wall thickness (Mild Steel) Épaisseur (Acier doux)
A	41mm	2,1mm	3mm
B-1	38mm	1,5mm	3mm
B-2	35mm	1,2mm	3mm
B-2	32mm	1,2mm	3mm
C	32mm	1,7mm	3mm
D	32mm	1,5mm	3mm
E	38mm	1,7mm	3mm

All measurements are minimum requirements. Toutes les mesures sont des exigences

All cars with an OEM steel frame must have the roll-cage welded to the frame.
Toutes les voitures avec châssis en acier d'origine doivent être équipées d'une cage de sécurité soudée au châssis.

All other Cars without an OEM frame must use 152mm square, 3mm steel plates on top and bottom of floor, securely bolted together with at least four 10mm bolts, or top plate welded to rocker sill.
Les autres voitures sans châssis d'origine doivent toutes être équipées de plaques d'acier de 152 mm carrés et 3 mm d'épaisseur au sommet et à la base du plancher, solidement boulonnées ensemble par au moins quatre boulons de 10mm, ou d'une plaque supérieure soudée au longeron de seuil de porte.

Notes regarding Numbers / Letters in Drawing 17 - Notes relatives aux numéros / lettres dans le Dessin 17

- #1 - If tube ① complies with tube code A, then two bars any length permitted.
If tube ① complies with tube code B-1, then two bars of max. 760mm must attach within 127mm from top of the main hoop.
If tube ① complies with tube code B-2, then minimum four bars are mandatory and at least 2 of those bars must attach to the horizontal portion of the main hoop.
If tube ① complies with tube code B-3, then minimum six bars are mandatory and at least 2 of those bars must attach to the horizontal portion of main hoop.
Si le tube ① est conforme au code A, deux barres sont autorisées, leur longueur est libre.
Si le tube ① est conforme au code B-1, deux barres de 760 mm max. doivent être attachées à une distance maximale de 127mm du dessus de l'arceau principal.
Si le tube ① est conforme au code B-2, quatre barres au minimum sont obligatoires et au moins 2 de ces barres doivent être attachées à la partie horizontale de l'arceau principal.
Si le tube ① est conforme au code B-3, six barres au minimum sont obligatoires et au moins 2 de ces barres doivent être attachées à la partie horizontale de l'arceau principal.
- #2 - Tubes ② are mandatory if the main hoop is welded to plates on the floor (no lower frame tube existing). They must be connected to the sub frame and must comply to tube code D.
Les tubes ② sont obligatoires si l'arceau principal est soudé à des plaques sur le plancher (pas de tube pour le cadre inférieur). Ils doivent être connectés au berceau et doivent être conformes au code D.
- #3 - Tube ③ may be substituted by an «X» brace meeting tube code E.
Le tube ③ peut être remplacé par un support en «X» conforme au code E.