



Technical Bulletin 029 – MSA & FIA Mirrors

Rev1 23/12/2015

Lifeline race mirrors are specifically designed with the racer in mind to fit all MSA and FIA formulas. Using Lifeline's in-house CAD facilities these mirrors are engineered and manufactured using latest technology processes. All use high impact, shatter resistant bodies with a high quality finish in either black or white which are also suitable for painting, with either flat or convex reflector lenses.

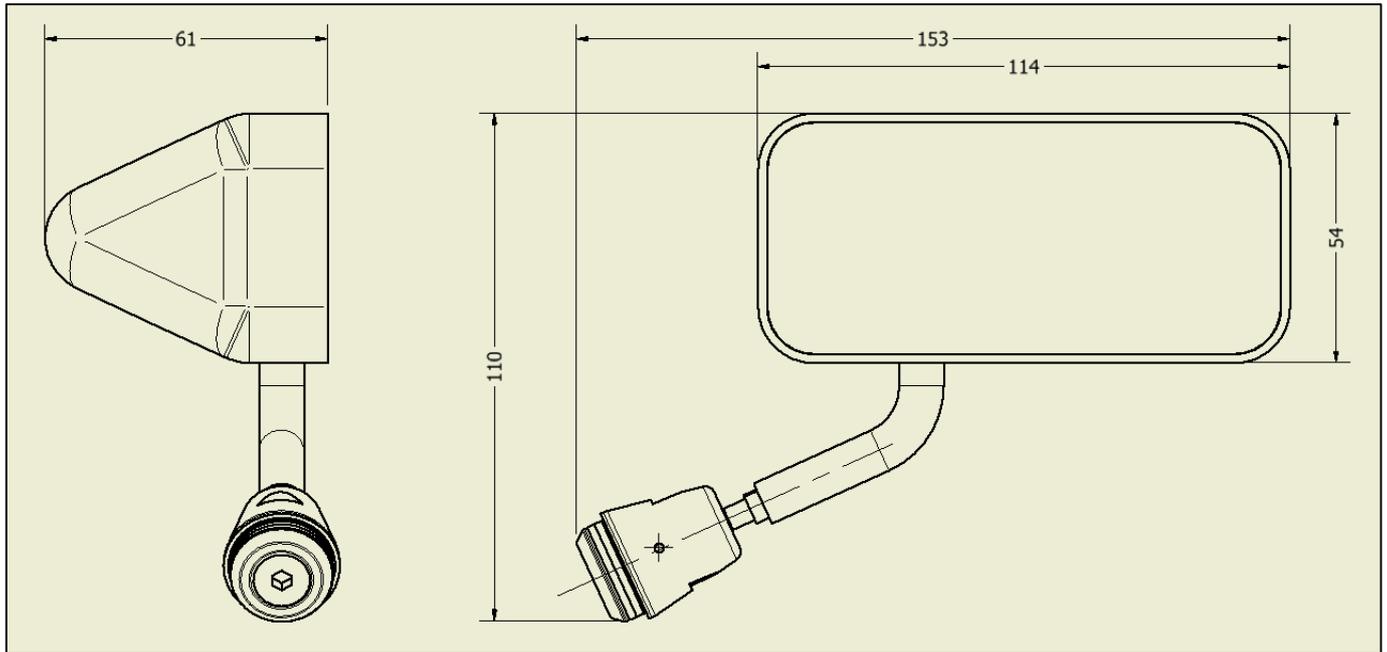
Working closely with constructors and teams and paying careful attention to material choice, we have developed a range of products that have a reliable mounting platform, ensuring stability, reliability, durability and low drag. Our simple one bolt fixing ensures easy mounting even on modern Touring and GT cars and our unique tension system will maintain mirror stability on the modern competition vehicle.





MSA Formula Car

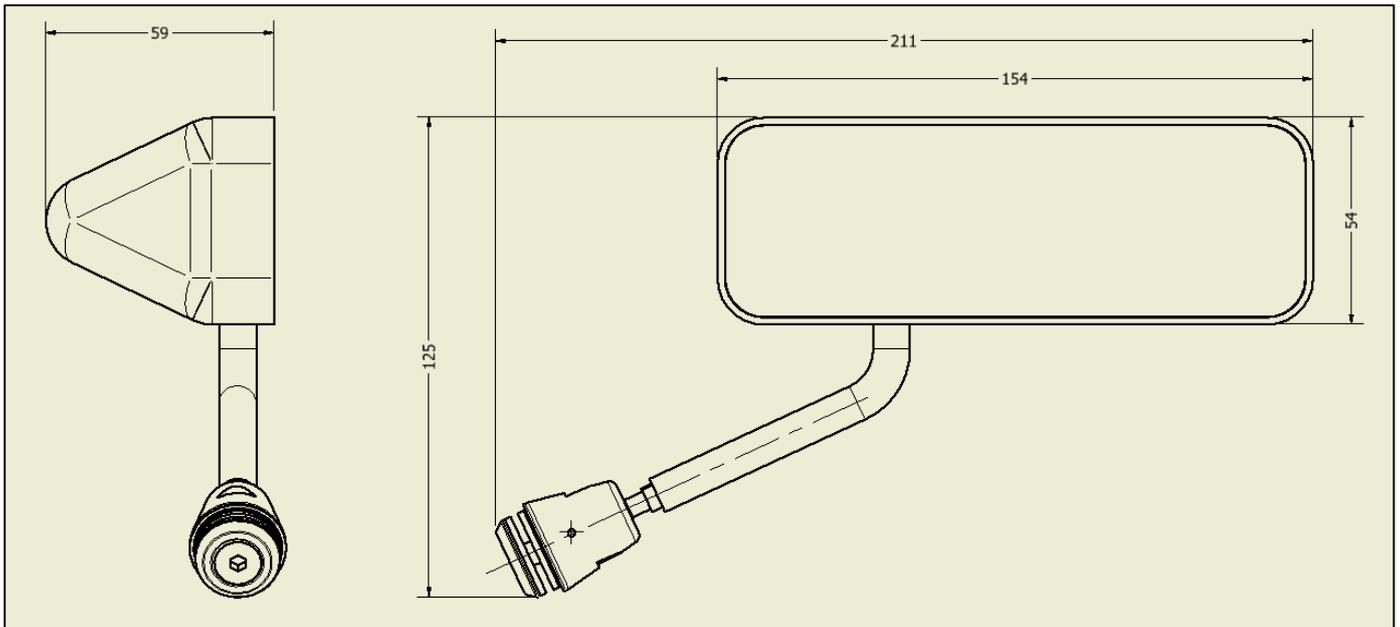
Part Number	Description	Weight/Mirror Area	Regulation Requirement
461-100-001	MSA Formula Mirror, LH, Flat, Black	0.131kg 55cm ² (110 x 50mm)	Yearbook K.19.15.1. At least one mirror of minimum surface area 50 cm ² should be securely mounted to give a clear view to the rear. Mirror edges must be protected to reduce the possibility of injury in the event of an accident.
461-100-002	MSA Formula Mirror, RH, Flat, Black		
461-100-003	MSA Formula Mirror, LH, Flat, White		
461-100-004	MSA Formula Mirror, RH, Flat, White		
461-100-005	MSA Formula Mirror, LH, Convex, Black		
461-100-006	MSA Formula Mirror, RH, Convex, Black		
461-100-007	MSA Formula Mirror, LH, Convex, White		
461-100-008	MSA Formula Mirror, RH, Convex, White		





FIA Formula Car

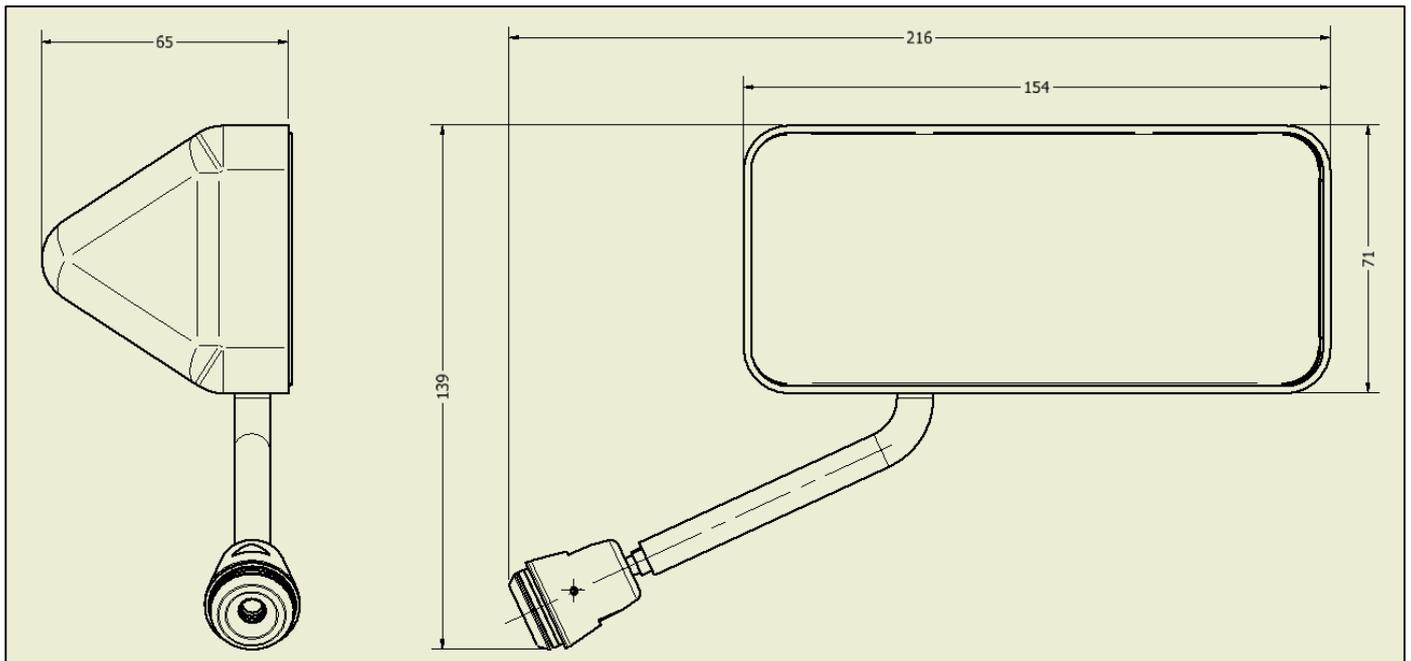
Part Number	Description	Weight/Mirror Area	Regulation Requirement
461-102-001	FIA Formula Mirror, LH, Flat, Black	0.164kg 150 x 50mm (75cm ²)	Formula Race. (i.e. F3 Article 275:14.3.2). The reflective surface of each mirror must be at least 150mm wide, this being maintained over a height of at least 50mm. Additionally, each corner may have a radius no greater than 10mm.
461-102-002	FIA Formula Mirror, RH, Flat, Black		
461-102-003	FIA Formula Mirror, LH, Flat, White		
461-102-004	FIA Formula Mirror, RH, Flat, White		
461-102-005	FIA Formula Mirror, LH, Convex, Black		
461-102-006	FIA Formula Mirror, RH, Convex, Black		
461-102-007	FIA Formula Mirror, LH, Convex, White		
461-102-008	FIA Formula Mirror, RH, Convex, White		





FIA Touring/GT Car

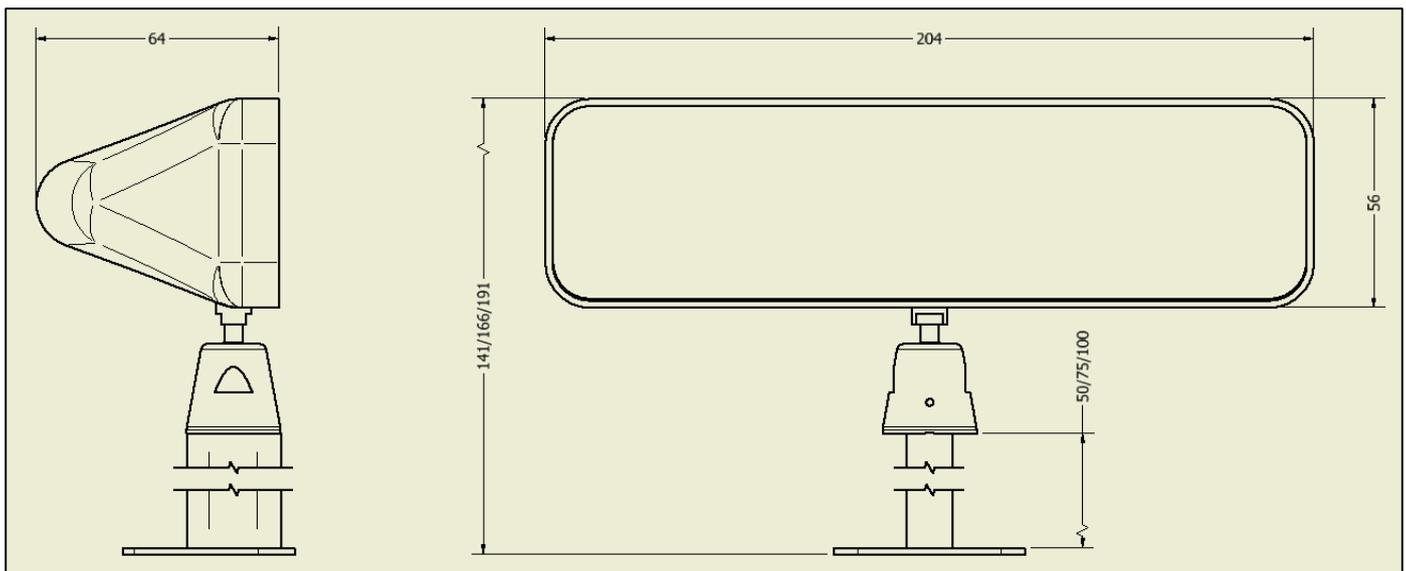
Part Number	Description	Weight/Mirror Area	Regulation Requirement
461-103-001	FIA GT/Touring/Sports, Mirror, LH, Flat, Black	0.194kg 105.7cm ² (151 x 70mm)	GT/Touring/Sports Cars. (i.e. GT Article 257:15.3 / Sportscars Article 258:15.3). Minimum reflective surface area 100cm ² .
461-103-002	FIA GT/Touring/Sports Mirror, RH, Flat, Black		
461-103-003	FIA GT/Touring/Sports Mirror, LH, Flat, White		
461-103-004	FIA GT/Touring/Sports Mirror, RH, Flat, White		
461-103-005	FIA GT/Touring/Sports Mirror, LH, Convex, Black		
461-103-006	FIA GT/Touring/Sports Mirror, RH, Convex, Black		
461-103-007	FIA GT/Touring/Sports Mirror, LH, Convex, White		
461-103-008	FIA GT/Touring/Sports Mirror, RH, Convex, White		





Centre Mount Sports Car

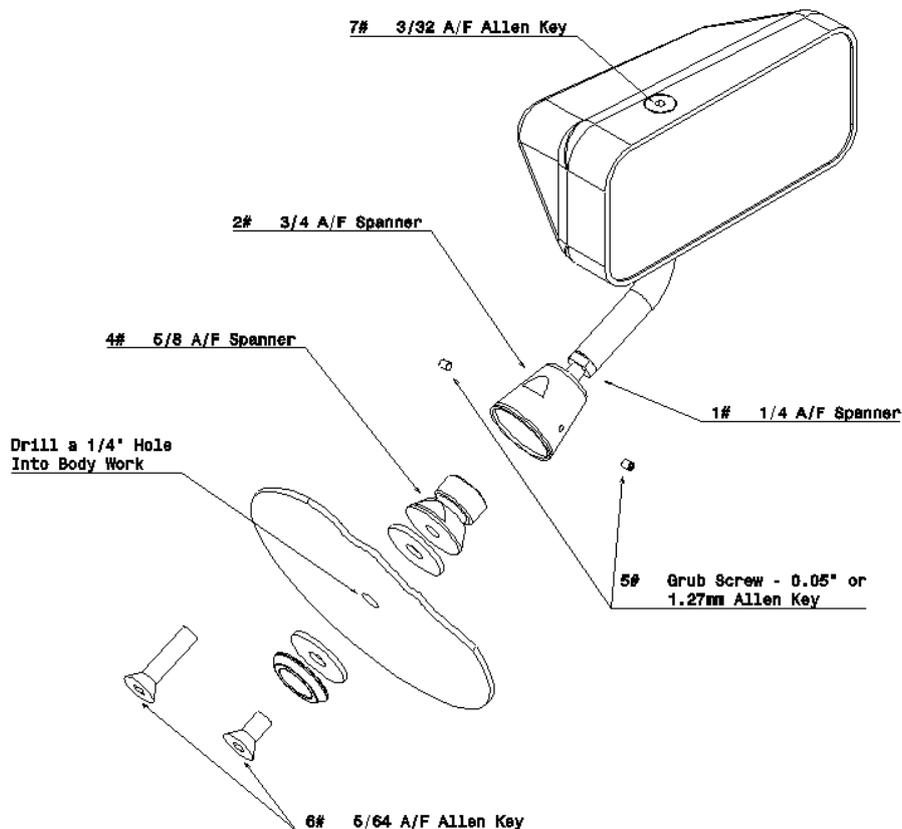
Part Number	Description	Weight/Mirror Area	Regulation Requirement
461-101-001	Sportscar Mirror, Centre Mount, Flat, Black, 50mm Stem	0.219kg 0.235kg 0.260kg 200 x 52mm (104cm ²)	N/A. Designed for central fixing in open top sports cars but are also ideal as a rear view mirror in a closed car.
461-101-002	Sportscar Mirror, Centre Mount, Flat, White, 50mm Stem		
461-101-003	Sportscar Mirror, Centre Mount, Convex, Black, 50mm Stem		
461-101-004	Sportscar Mirror, Centre Mount, Convex, White, 50mm Stem		
461-101-005	Sportscar Mirror, Centre Mount, Flat, Black, 75mm Stem		
461-101-006	Sportscar Mirror, Centre Mount, Flat, White, 75mm Stem		
461-101-007	Sportscar Mirror, Centre Mount, Convex, Black, 75mm Stem		
461-101-008	Sportscar Mirror, Centre Mount, Convex, White, 75mm Stem		
461-101-009	Sportscar Mirror, Centre Mount, Flat, Black, 100mm Stem		
461-101-010	Sportscar Mirror, Centre Mount, Flat, White, 100mm Stem		
461-101-011	Sportscar Mirror, Centre Mount, Convex, Black, 100mm Stem		
461-101-012	Sportscar Mirror, Centre Mount, Convex, White, 100mm Stem		





MSA & FIA Car mirror Fitting Instruction

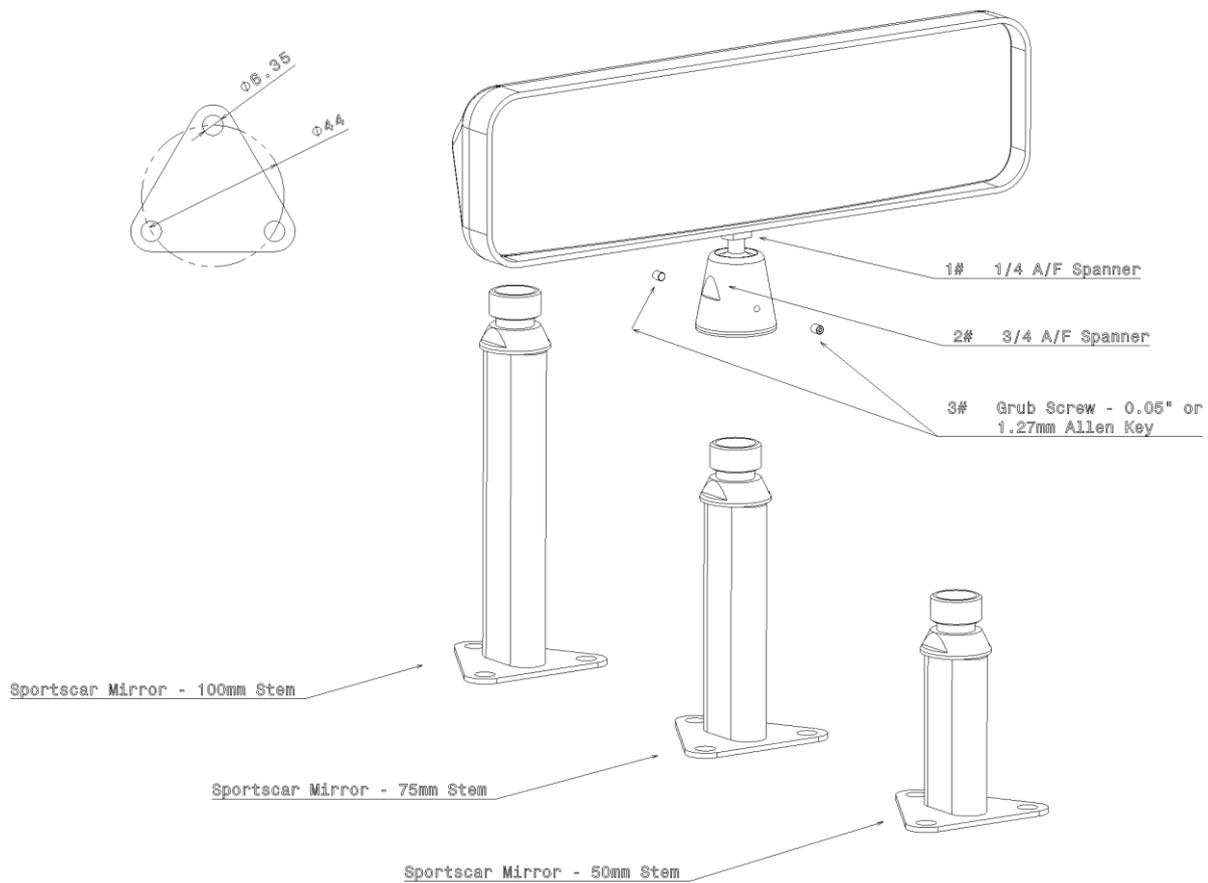
- Take the assembled mirror out of the box and rotate the arm into position. Inside the box there is a small bag containing one ¼" UNF x 1" counter sunk screw and two No4 x 40 grub screws 5#.
- Unscrew 6# from the assembly and remove the countersunk washer and two rubber washers.
- Place the mirror assembly on the vehicle in the desired position and mark centre to be drilled. Drill the body work with a ¼" hole (6.35mm).
- Remove 4# from the rest of the assembly.
- Sub-assemble the countersunk washer and one rubber washer with the appropriate length screw (this depends on the thickness of the bodywork).
- Insert the screw and washer assembly through the ¼" hole from the inside of the bodywork.
- And the second washer to the outside of the body work.
- Screw 4# on by hand.
- Using a 5/8" A/F spanner hold 4# in placed and then tighten the countersunk screw with a 5/64" A/F Allen key.
- Screw the mirror assembly 2# to 4# by hand and position the mirror in the place.
- Tighten 2# with a 3/4" A/F spanner while holding 1# with the 1/4" A/F spanner.
- Insert the two grub screws 5# using a 0.05 or 1.27mm Allen key.
- Rotate the mirror into position and tighten 7# with a 9/32" A/F Allen key.





Sports Car mirror Fitting Instruction

- Take the assembled mirror out of the box.
- Position the mirror on the vehicle in the desired position with a template placed under the mirror assembly, this will allow you to mark the holes to be drilled. Drill the body work with a ¼" hole (6.35mm).
- Once the holes have been drilled and de-burred, fix the mirror stem to the vehicle.
- Position the mirror to suit the driver's seating position.
- Tighten 2# with a ¾ A/F spanner while holding 1# with a ¼ A/F spanner.
- Tighten the two grub screws 3# using a 0.05" or 1.27mm Allen Key.





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