



## HANDCRAFTED FOR RACE QUALITY

Elfin Sports Cars are a finely balanced blend of high-tech design, stunning style and hands-on craftsmanship.

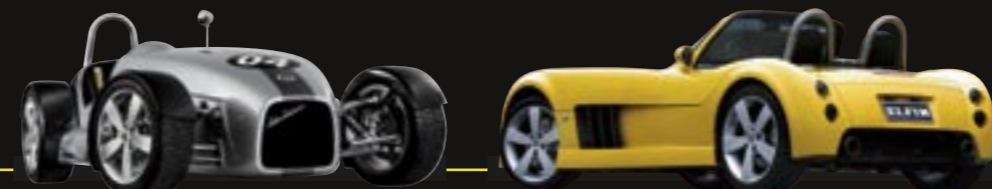
Where the computer aided design leaves off, the craftsmen take over, painstakingly hand-building each car. Every step is precise, every piece closely scrutinised.

For a car capable of a 0-100km/h time of just over four seconds, only a jig assembled steel space frame will do. Each section is welded by hand to super-accurate specifications to ensure perfect alignment and great rigidity.

The chassis then enters Elfin's production line, with dedicated technicians building each car by hand in a process more akin to race-car construction than modern mass-produced road cars.

Every step is closely checked before moving on to the next station, ensuring that every Elfin leaves the factory a collector's item. Customers are even welcome to come and watch their car's progress right in the factory.

Because as Elfin enthusiasts know, beauty is more than skin deep.



## TECHNICAL SPECIFICATIONS AND FEATURES - MS8 MODELS

### CONSTRUCTION / CHASSIS

- Fully handcrafted, jig assembled space frame utilising over 65 mtrs of material. Various sizes are used in the construction of the chassis to obtain an extremely high level of race car design rigidity, to cater for the transmission of high levels of power / torque to the rear wheels and to maintain precise steering geometry.
- The design process has been extended to using 8620 alloy steel for all solid crush tubes, which are fully extended through the frame and TIG / MIG welded from suspension pickup points, fuel tank support mountings to brake pedal mounting points, to obtain a fully race crafted chassis. Laser cut bracketry to maintain precision on all gussets and hole sizing.
- All body fixing points on the chassis have nutserts fitted and are TIG welded to obtain longevity.
- After construction the chassis is fully ground back by hand and dressed for sand blasting, and then powder coated to 40/50 microns for durability and to obtain a high level of finish.

### DRIVE TRAIN

- Powered by an all alloy GM sourced LS1 5.7 liter V8 engine
- Power is available from 245 kW to higher levels for track application
- Torque from 465 Nm in standard trim to 750 Nm as required
- This results in an incredible 3.7kg per kW power-to-weight ratio in standard configuration for the Clubman model.
- Tremec T56 MM6 Heavy duty 6 speed gear box - competition specification packages are available
- Specifically designed heavy duty - single piece propshaft
- Power is transmitted through a GM 3.46 ratio limited slip differential - motor sport LSD unit is available as an option.

### WHEELS AND TYRES

- Alloy 18x8 inch wheels / other options available eg. For Clubman track use 18x10 rear wheels/tyres with custom wide guards
- 235 x 40 tyres high speed rated are standard - track tyres available

### STEERING / SUSPENSION

- Rack and pinion steering, solid mounted to chassis points for extreme accuracy and steering feed back, rose jointed ends for full adjustability
- Cast aluminium front and rear uprights CNC machined for precision and accuracy, heat treated /crack tested and engineered to accept standard GM wheel bearing/ wheel flange assemblies
- Bolt on steel CNC machined suspension pick up points, plated for durability
- Fully adjustable race spec coil over Koni 8211 series shock absorbers used on front and rear, can be adjusted for bump, rebound and height adjustment without the need to dismount from car, rose jointed top and bottom mounting points
- Suspension springs, are race quality manufactured by Eibach - standard with front rates 300-60-50 Nm, rear rates 300-60-40Nm

A variety of different specification springs are available for individual tuning specifications and requirements

- Front** - upper and lower suspension arms constructed from aircraft quality material, aerofoil shape inserted with 3/4 round threaded chrome moly, jig assembled and TIG welded onto 8620 threaded ends to take adjustable PTFE lined high strength precision rose joints
- Rear** - fully independent, upper and lower suspension arms constructed from seamless tube jig assembled TIG welded onto 8620 threaded ends to take adjustable PTFE lined rose joints and full toe in adjustment
- Uprights designed for full adjustability for camber caster and toe in
- Sway bar mounting points provided on chassis; can be supplied on request if desired.

### BRAKES

- Grooved and ventilated 4 wheel disc brakes
- Front 32 x 343 mm ventilated discs with special Elfin design alloy billet mounting hats

- to reduce unsprung weight, with specific AP Racing design 6 piston alloy calipers
- Rear 18 x 315 mm ventilated discs with AP Racing design 4 piston alloy calipers, with inbuilt handbrake mechanism.
- Fully adjustable Wellwood brake pedal assembly, with Wellwood brake bias adjustment
- Aircraft quality braided brake hoses used on front and rear calipers, and on adjustable pedal box to master cylinders to maintain a solid brake pedal feel for consistent hard braking and durability.

### CONSTRUCTION / BODY

- GRP body panels fully hand laid in the traditional manner to ensure each piece is manufactured to specific standards in thickness and finish for longevity
- Internal paneling is manufactured from high quality aluminium sheeting, hand riveted and fully sealed to enhance chassis rigidity
- The Body finish is painstakingly hand prepared to obtain the highest quality product, fit, finish and paint lustre, with the best available materials to cope with various climate conditions

### SAFETY

- The highest level of design and construction in today's space frame technology ensures an extremely high level of rigidity
- ABS braking system
- Traction control (switchable)
- Cruise control (Streamliner only)
- Standard roll bar for both passengers
- Perfect 50/50 weight distribution

### OPTIONS

#### Clubman

- Full Windscreen and wipers
- Soft tonneau cover
- Soft top

#### Streamliner

- Soft tonneau cover
- Removable hard top

#### Custom options

- Special paint finishes
- Body striping

#### Competition modifications including:

- Engine/Powertrain
- Suspension and brakes
- Roll bars
- Racing seats and harness
- Wheel and tyre upgrades
- Safety equipment
- Elfin Sports Cars track side support and race car preparation

### DIMENSIONS

	Clubman	Streamliner
Length	3200mm	3500mm
Width	1700mm	1710mm
Wheelbase	2290mm	2290mm
Front Track	1460mm	1460mm
Rear Track	1430mm	1430mm
Kerb Weight	900kg	1100kg

### COLOR AND TRIM

#### Available body colours:

Ducati Red / Elfin Yellow / Classic Silver / Hemming Blue

Other and custom colours available on request and at extra cost.

#### Leather Trim combinations:

Black or Tan

Other custom interior colours and treatments available on request and at extra cost.

### ELFIN DEALERS AND AGENTS

QLD	Elfin Sports Cars Surfers City	(07) 5597 2900
NSW	Elfin Sports Cars Sydney	(02) 8878 7878
VIC	Elfin Sports Cars Melbourne	(03) 9587 0411
SA	Elfin Sports Cars Adelaide	(08) 8354 9555
WA	Elfin Sports Cars WA	(08) 9432 9432
NZ	Elfin Sports Cars NZ	+64 7 838 0949
UK	Elfin Sports Cars UK	+44 (0) 1608 672 929



Or contact the Elfin Sports Cars factory/head office



### ELFIN SPORTS CARS PTY. LTD.,

Phone (03) 9587 0411 Fax (03) 9587 0911  
234-238 Boundary Rd,  
Braeside, Victoria, 3195  
Australia

A word about this brochure. We have tried to make this brochure as comprehensive and factual as possible. However, since the time of printing some of the information you'll find here may have been updated. Also, some of the equipment shown or described throughout this catalogue may have been changed and/or is available at extra cost. Further, Elfin Sports Cars Pty Ltd. reserves the right to make changes at any time without notice, in prices, colours, materials, equipment and models. Your Elfin Sports Car Dealer has details, and before ordering you should ask them to bring you up to date. No Elfin Sports Cars Dealer or other person is authorised or permitted to give or make any statement, assertion or undertaking in relation to the quality, performance characteristics, descriptions or fitness for any purpose of any Elfin Sports Car product which is at variance with any written statement, assertion or undertaking on any of these subjects given or made by Elfin Sports Cars Pty Ltd. A.B.N. 53 007 233 212 in its published sales literature, and the Company accepts no liability for such unauthorised action. Elfin Sports Cars Pty Ltd. have authorised Dealers in many parts of Australia, NZ and overseas for the sale of service parts and the provision of service to owners of Elfin Sports Car products. Every endeavor is made to ensure that such Dealers carry adequate stocks of service parts but Elfin Sports Cars Pty Ltd. makes no promise other than that contained in the New Vehicle Warranty given by Elfin Sports Cars Pty Ltd. that such parts or service facilities will be available at any specific location or at any particular time. Elfin Sports Cars are hand crafted vehicles. Accordingly, many components are individually made and may not be readily available as spare parts. We appreciate your understanding that these are rare collectible cars and that replacement and repair parts may need to be manufactured to your individual vehicle/chassis requirements. Warranties offered for Elfin Sports Car products are subject to the conditions set out in the vehicle handbook. Elfin Sports Cars carry a 12 month unlimited kilometre new car warranty from the date of delivery. This warranty is void in the event that the vehicle is used in recreational or competitive track racing. Further details are also available from Elfin Sports Cars on request. Copyright Elfin Sports Cars Pty Ltd. A.B.N. 53 007 233 212. Printed February 2007. Part Number 00a-070001.

ELFIN MAGIC







## ELFIN FIVE DECADES OF EXCELLENCE

The Elfin Sports Car Company was born on the racetrack. Founded under the Australian sun in Adelaide by racer and engineer Garrie Cooper five decades ago, Elfin was built on a single credo: built fast to win.

Elfin racers made an instant impact on Australian open-wheeler and sports car competition, going on to win no

fewer than 29 championships and major titles, including two Australian Driver's Championships, five Australian Sports Car Championships, four Australia Tourist Trophies and three Formula Ford titles.

Even though Elfin made its mark in racing, Cooper had unfinished business: he wanted to apply the same skills that had hatched some of the sharpest race cars around to road cars.

Unfortunately, Cooper never realised his dream, passing away in 1982.

Thankfully, others shared his wish, taking over the Elfin operation and, over time, extending Elfin production to uncompromising sports cars for the road.

Renowned for their race-like handling and class-leading power-to-weight ratio, Elfin road cars have been favourites of club racers and true performance car enthusiasts who relish supercar-like performance in a purist and exclusive package.

In 2004, Elfin owners Bill Hemming and Nick Kovatch took the company to a new level when, in collaboration with GM Holden, they unveiled a striking

V8-powered Elfin MS8 range at the Melbourne International Motor Show.

The MS8 Clubman and Streamliner powered by GM's 5.7-litre Gen III V8 were designed by renowned Holden Design Director and Elfin enthusiast, Mike Simcoe, and his team.

In 2006, Elfin harnessed the international power of Walkinshaw Performance, the high-performance automotive engineering company founded by British racing legend Tom Walkinshaw.

Walkinshaw Performance was instrumental in helping Elfin to bring the Elfin MS8 range to full production in Melbourne. Walkinshaw Performance acquired Elfin in December 2006, with plans to expand both its range and production volumes, with an eye on exports. Now with ADR compliance for road use, the hand build MS8 Clubman and Streamliner are set to turn heads on both the race track and on the highway.

But one thing hasn't changed: Elfin cars are still built fast to win.

## Clubman

### PUREBRED SPORTS MACHINE

Track inspired, the MS8 Clubman is the modern incarnation of the original theme which was first conceived by Elfin founder Garrie Cooper in 1961. The open-wheel design and classic body styling immediately takes you to the track where the Clubman's phenomenal power to weight equation speaks for itself. The drive line is complemented by exceptional chassis dynamics and handling which further cements the Clubman's race heritage. For either road or track applications, the new generation MS8 Clubman is a purebred sports machine designed to thrill.



> 0-100 4.2 SEC > 5.7 LITRE V8 > 245kW > 3.7KG PER kW > 465Nm > 900KG > 6-SPEED

## Streamliner

### ULTIMATE TOURING SPORTS CAR

Based on a similar chassis to the Clubman, the sleek Streamliner delivers breathtaking performance while providing creature comforts such as air conditioning and cruise control. The classic 'Le Mans' style body features gull-wing doors, sweeping profile, an unmistakable radiator opening and side cutaways that recall Elfin's golden past. For those who want a classic, hand crafted weekend escape vehicle, the Elfin Streamliner is the ultimate touring sports car.



> 0-100 4.4 SEC > 5.7 LITRE V8 > 245kW > 4.5KG PER kW > 465Nm > 1100KG > 6-SPEED

## A MAGICAL HISTORY

