



E-TECH racing

2010

MOTORSPORTS KATALOG





The company is dedicated to supplying proven, top quality products to all forms of motorsport and motor racing worldwide.

E-TECH racing have been started as a result of participation in rally. It is our ambition to supply parts for everyone from the happy amateur to the fulltime professional.

E-TECH racing prides itself on its friendly, personal, efficient and helpful service.

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# RACETECH

## STEERING WHEELS BRITISH MADE. HAND CRAFTED

Available with Suede or high quality leather covering. The very latest in high spec RACETECH development. Available in black, (special order **RED** or **BLUE**)



### CONSTRUCTING YOUR PART NUMBER

ADD **B** FOR BLACK, **R** FOR **RED** AND **BL** FOR BLUE, THEN ADD **S** FOR SUEDE OR **L** FOR LEATHER. EXAMPLE; A ROUND 265MM WHEEL IN BLACK SUEDE WOULD BE RTSWBS

PART No:	DESCRIPTION	DIAMETER
RTSWD1	D SHAPE	240MM
RTSWD2	D SHAPE	255MM
RTSWD3	D SHAPE	305MM
RTSWD4	D SHAPE	320MM
RTSWDC1	D SHAPE CUT OFF TOP	240MM
RTSWDC2	D SHAPE CUT OFF TOP	255MM
RTSWDC3	D SHAPE CUT OFF TOP	305MM

PART No	DESCRIPTION	DIAMETER
RTSW	ROUND	265MM
RTSW2	ROUND	305MM
RTSW3	ROUND SHALLOW DISH	340MMt
RTSW4	ROUND DEEP DISH	340MM
RTSWC1	ROUND CUT OFF TOP	250MM
RTSWC2	ROUND CUT OFF TOP	270MM
RTSWDF2	FLAT TOP FLAT BOTTOM	255MM

## QUICK RELEASE STEERING WHEEL COUPLINGS

The very best available, much copied but never equalled. The original splined quick release coupling to complete the steering wheel package, an exceptionally light weight quality product. Machined to exacting tolerances (sold with steering wheel attachment fitting kit), also available with 6 bolt 70mm PCD. All couplings are available with a yellow anodised sleeve\*, to conform to FIA regulations. Please add "Y" to part numbers below for a yellow sleeve (e.g. RTQ71Y).

PART No:	DESCRIPTION
RTQ1	3/16" HOLES 2" PCD 5/8" DIA. SLUG
RTQ2	3/16" HOLES 2" PCD 3/4" DIA. SLUG
RTQ3	1/4" HOLES 2" PCD 3/4" DIA. SLUG
RTQ4	1/4" HOLES 2" PCD 5/8" DIA. SLUG
RTQ5	3/16" HOLES 2" PCD 1" BLANK SLUG
RTQ6	1/4" HOLES 2" PCD 1" BLANK SLUG
RTQ9	UNDRILLED 3/4" DIA. SLUG
RTQ71	3/16" HOLES 70MM PCD 5/8" DIA. SLUG
RTQ72	3/16" HOLES 70MM PCD 3/4" DIA. SLUG
RTQ75	3/16" HOLES 70MM PCD 1" BLANK SLUG

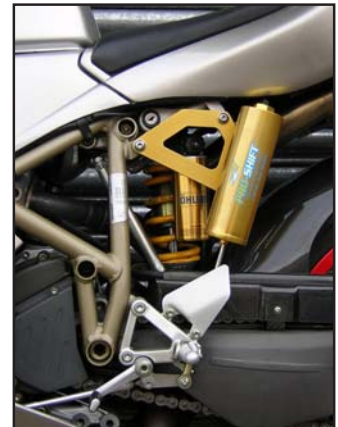


## PRO SHIFT SYSTEMS

Pro-Shift have a huge range of sequential gear shift equipment, the range covers bikes right through to cars and even F1. Pro-Shift manufacture a Semi Automatic Gearshift System (PS2) that can be used both independently or in conjunction with a conventional gear change. The Titanium Paddle operation offers full throttle, clutchless upshifting along with auto-blipped, clutchless downshifting and all without ever having to take your hands off the steering wheel. This provides greater acceleration whilst improving cornering stability and driver safety. Modular Electronic Operation so no need for Large, Heavy and Unreliable Air Compressors, Tanks, Regulators, Valves, etc.

### Example installations -

- Bike-engined cars.
- Entire Radical range.
- Hewland sequentials.
- Sadev sequentials.
- Elite sequentials.
- Quaife sequentials.
- Drenth sequentials.
- Holinger sequentials.
- Tractive sequentials.



# RACETECH

## F1 STYLE MIRRORS

The latest Racetech mirror incorporates many new features. It is non-handed with a central mounting stem, aerodynamic and virtually indestructible. Glass size = 110mm x 50mm, extremely lightweight (86gm), self coloured black or white, Available with flat or convex glass lens.

### SWIVEL MOUNT

PART No:	DESCRIPTION
RTMBS	BLACK F1 MIRROR ANGLED STEM FLAT GLASS
RTMWS	WHITE F1 MIRROR ANGLED STEM FLAT GLASS
RTMBCS	BLACK F1 MIRROR ANGLED STEM CONVEX GLASS
RTMWCS	WHITE F1 MIRROR ANGLED STEM CONVEX GLASS
RTMBS2	BLACK F1 MIRROR STRAIGHT STEM FLAT GLASS
RTMWS2	WHITE F1 MIRROR STRAIGHT STEM FLAT GLASS
RTMBCS2	BLACK F1 MIRROR STRAIGHT STEM CONVEX GLASS
RTMWCS2	WHITE F1 MIRROR STRAIGHT STEM CONVEX GLASS
RTMBSM	BLACK KIT CAR MIRROR STRAIGHT STEM ROUND BASE FLAT GLASS
RTMBCSM	BLACK KIT CAR MIRROR STRAIGHT STEM ROUND BASE CONVEX GLASS



### FIXED MOUNT

PART No:	DESCRIPTION
RTMB	BLACK F1 MIRROR ANGLED STEM FLAT GLASS
RTMW	WHITE F1 MIRROR ANGLED STEM FLAT GLASS
RTMBC	BLACK F1 MIRROR ANGLED STEM CONVEX GLASS
RTMWC	WHITE F1 MIRROR ANGLED STEM CONVEX GLASS
RTMB2	BLACK F1 MIRROR STRAIGHT STEM FLAT GLASS
RTMW2	WHITE F1 MIRROR STRAIGHT STEM FLAT GLASS
RTMBC2	BLACK F1 MIRROR STRAIGHT STEM CONVEX GLASS
RTMWC2	WHITE F1 MIRROR STRAIGHT STEM CONVEX GLASS



## CLASSIC STYLE MIRRORS

Designed exclusively for single seater use, these light-weight (99gm / 3.5oz) mirrors are available for left and right hand mountings with a lockable swivel adjustment. Self-coloured in black or white ABS plastic, Available with flat or convex glass lens.



PART No:	DESCRIPTION
RTM LHW	WHITE MIRROR LEFT HAND FLAT GLASS
RTM RHW	WHITE MIRROR RIGHT HAND FLAT GLASS
RTM LHB	BLACK MIRROR LEFT HAND FLAT GLASS
RTM RHB	BLACK MIRROR RIGHT HAND FLAT GLASS
RTM LHWCS	WHITE MIRROR LEFT HAND CONVEX GLASS
RTM RHWCS	BLACK MIRROR RIGHT HAND CONVEX GLASS
RTM LHBCS	BLACK MIRROR LEFT HAND CONVEX GLASS
RTM RHBCS	BLACK MIRROR RIGHT HAND CONVEX GLASS
RTMPM	KIT CAR PILLAR MOUNT (PAIR)
RTMSM	KIT CAR AERO SCREEN MOUNT (X1)

## GP2/F3 MIRRORS

Made to the same high-quality specification and aerodynamic design as the classic mirrors but made to the new GP2/F3 FIA specifications. Available with flat or convex glass and with a fixed base, Glass size is 150mm x 50mm. These mirrors are only available in black ABS plastic with a choice of four stems to suit all requirements.

PART No:	DESCRIPTION
RTMLL	FLAT GLASS LEFT HAND STEM
RTMLR	FLAT GLASS RIGHT HAND STEM
RTMLLC	CONVEX GLASS LEFT HAND STEM
RTMLRC	CONVEX GLASS RIGHT HAND STEM

PLEASE SPECIFY WHICH STEM TYPE YOU WOULD LIKE WHEN ORDERING



## CARBON MIRRORS

New for 2009, Raceparts are pleased to offer you a selection of our mirror range with carbon fibre bodies. These mirrors are modelled on the classic and F1 style designs. Available only with flat glass, these mirrors are stylish, lightweight and very affordable. Made from 2x2 twill weave carbon fibre with all the usual stem designs on offer.



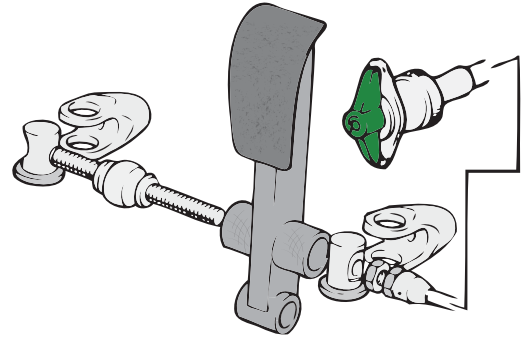


# RACETECH

## BALANCE BAR ASSEMBLY

RACETECH adjustable balance bar assemblies are available with alloy or steel clevis, and supplied with cross tube ready to weld into pedal to suit 3" and 2.5" master cylinder centres. High quality 55 ton steel is used for the balance bar. Many manufacturers have taken advantage of this package as the cost is less than manufacturing their own assembly!

PART No:	DESCRIPTION
AA	3" CTRS / ALLOY CLEVIS / CABLE ADJUSTABLE
LA	3" CTRS / ALLOY CLEVIS / ADJUSTABLE
LS	3" CTRS / STEEL CLEVIS / ADJUSTABLE
AA2.5	2.5" CTRS / ALLOY CLEVIS / CABLE ADJUSTABLE
LS2.5	2.5" CTRS / STEEL CLEVIS / ADJUSTABLE
BB90	BALANCE BAR 90 DEGREE ADJUSTER



## HI SPEC BALANCE BAR 7/16 DIA

This extremely high strength balance bar was designed by RACETECH using aerospace materials to cope with the higher forces associated with IRL cars. This product has now been used as an OE product by high performance road car manufacturers and in GT, touring car racing and rallying.

PART No:	DESCRIPTION
AA7/16	HIGH SPEC BAR / ALLOY CLEVIS / ADJUSTABLE



## BALANCE BAR ADJUSTER CABLE

Absolutely the best on the market, used by most Formula One teams. A neat lightweight cockpit adjuster with a positive half turn stop. Supplied complete with fitting kit (FOR USE WITH AA TYPE).

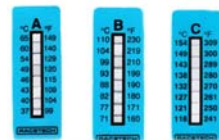
PART No:	DESCRIPTION	PART No:	DESCRIPTION
BBA20	2' CABLE	BBA36	3'6" CABLE
BBA26	2'6" CABLE	BBA39	3'9" CABLE
BBA28	2' 8" CABLE	BBA40	4' CABLE
BBA30	3' CABLE	BBA46	4'6" CABLE
BBA33	3' 3" CABLE	BBA50	5' CABLE
		BBA60	6' CABLE



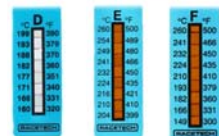
## THERMAL INDICATOR STRIPS & PAINT KITS

A much used product within the motorsport industry, particularly suitable for monitoring brake disc temperatures. Each kit contains three colour changing paints, giving a range of 450°C to 650°C. Easily applied with brushes and cleaner supplied in each kit.

PART No:	DESCRIPTION
RTPK	BRAKE DISC TEMPERATURE PAINT KIT
THE TEM A	RACETECH TEMP STRIPS PACK OF 10 37-65°C
THE TEM B	RACETECH TEMP STRIPS PACK OF 10 71-110°C
THE TEM C	RACETECH TEMP STRIPS PACK OF 10 116-154°C
THE TEM D	RACETECH TEMP STRIPS PACK OF 10 160-199°C
THE TEM E	RACETECH TEMP STRIPS PACK OF 10 204-260°C
THE TEM F	RACETECH TEMP STRIPS PACK OF 10 149-260°C



SELF ADHESIVE THERMAL INDICATOR STRIPS



**RACETECH**

A = 37-65 C  
 B = 71-110 C  
 C = 116-154 C  
 D = 160-199 C  
 E = 204-260 C  
 F = 149-260 C

EACH PACK CONTAINS 10 SELF ADHESIVE STRIPS.

EACH STRIP IS CAN ONLY BE USED ONCE

ACCURACY ± 1%

# RACETECH



**COMBINATION GAUGES: OIL/WATER PRESSURE/TEMPERATURE**

PART No:	FITTINGS
PT1011B7	7' TEMP. 1/8 BSP PRESS
PT1011BL7	7' TEMP. 1/8 BSP PRESS
PT1011BA7	7' TEMP. -3 PRESS
PT1011BAL7	7' TEMP. -3 PRESS
PT1011B9	9' TEMP. 1/8 BSP PRESS
PT1011BL9	9' TEMP. 1/8 BSP PRESS
PT1011BA9	9' TEMP. -3 PRESS
PT1011BAL9	9' TEMP. -3 PRESS
PT1011BL12	12' TEMP. 1/8 BSP PRESS
PT1011BAL12	12' TEMP. -3 PRESS

PART No:	FITTINGS
PT1014B7	7' TEMP. 1/8 BSP PRESS
PT1014BL7	7' TEMP. 1/8 BSP PRESS
PT1014BAL7	7' TEMP. -3 PRESS
PT1014B9	9' TEMP. 1/8 BSP PRESS
PT1014BL9	9' TEMP. 1/8 BSP PRESS
PT1014BA9	9' TEMP. -3 PRESS
PT1014BAL9	9' TEMP. -3 PRESS
PT1014BL12	12' TEMP. 1/8 BSP PRESS
PT1014BAL12	12' TEMP. -3 PRESS

PART No:	FITTINGS
PT1612B7	7' TEMP. 1/8 BSP PRESS
PT1612BL7	7' TEMP. 1/8 BSP PRESS
PT1612BA7	7' TEMP. -3 PRESS
PT1612B9	9' TEMP. 1/8 BSP PRESS
PT1612BL9	9' TEMP. 1/8 BSP PRESS
PT1612BA9	9' TEMP. -3 PRESS
PT1612BAL9	9' TEMP. -3 PRESS
PT1612BL12	12' TEMP. 1/8 BSP PRESS
PT1612BAL12	12' TEMP. -3 PRESS



**OIL/FUEL PRESSURE GAUGES**

PART No:	FITTINGS
P10B	1/8 BSP PRESS
P10BL	1/8 BSP PRESS
P10BA	-3 PRESS
P10BAL	-3 PRESS

PART No:	FITTINGS
P1.5B	1/8 BSP PRESS
P1.5BL	1/8 BSP PRESS
P1.5BA	-3 PRESS
P1.5BAL	-3 PRESS

PART No:	FITTINGS
P16B	1/8 BSP PRESS
P16BL	1/8 BSP PRESS
P16BA	-3 PRESS
P16BAL	-3 PRESS



**WATER/OIL TEMPERATURE GAUGES**

PART No:	DESCRIPTION
T11B2	2' TEMP
T11 BL2	2' TEMP
T11B4	4' TEMP
T11B7	7' TEMP
T11BL7	7' TEMP
T11B9	9' TEMP
T11BL9	9' TEMP
T11BL12	12' TEMP

PART No:	FITTINGS
T14B4	4' TEMP
T14BL4	4' TEMP
T14B7	7' TEMP
T14BL7	7' TEMP
T14B9	9' TEMP
T14BL9	9' TEMP
T14BL12	12' TEMP

**BOOST PRESSURE GAUGES**

PART No:	FITTINGS
B2.5BL	-3 PRESS, W/BLACK FACE
B2.5WL	-3 PRESS, W/WHITE FACE
BOO KIT	BOOST GAUGE FITTING KIT

CHROME BEZEL  
ALSO AVAILABLE  
----->>>>



**AEROQUIP**

**UNDERSTANDING PART NUMBERS**

All the above part numbers have either letters or numbers which correspond to features or fitting specific to that gauge. For example; PT1011BL7, the 'PT' means Pressure temperature indicating a combination gauge, '1011' means the temperature reading goes up to 100 DEG C and the pressure reading goes up to 110 PSI, the 'BL' means this gauge has a backlight and the '7' indicates a 7 foot capillary tube for the temp sender. This part number does not have an 'A' in it which means the fitting on the back of the gauge for the pressure line uses a 'Smiths' style fitting shown on the right =>



**SMITHS**



**80mm ELECTRIC TACHO & SPEEDO**

Both Tacho and Speedo have easy to read dials and back lights

**SPEEDOMETER**

Now based on the latest stepper motor technology, it can be switched for input pulses per mile/km and features an LCD odometer with a resettable trip function. For speedo pick up see SS34-1 on the next page

**TACHOMETER**

This very fast acting tachometer is switch selectable for 4, 6 or 8 cylinders and can be used with a variety of ignition systems, using the very latest in stepper motor technology. Also available, New for 2009, is our very own tachometer complete with integrated shift light, as with the standard tacho, you can choose between 4, 6 & 8 cylinders. The shift light is made up of three traffic light style LED's which can be programmed to come on at specific rev ranges. Scale available in 0-8000 or 0-10,000. These gauges also come with a max rev recall function so you can see how hard you have been pushing your engine.

PART No:	DESCRIPTION
RTSC130	RACETECH SPEEDO 0-130 MPH, W/BACKLIGHT
RTTC8	RACETECH TACHO, 0-8000, 4, 6 & CYLINDERS
RTTC8-SL	RACETECH TACHO 0-8000 WITH SHIFT LIGHT
RTTC10-SL	RACETECH TACHO 0-10,000 WITH SHIFT LIGHT



**80mm ELECTRICAL INSTRUMENTS**

These instruments compliment our Racetech 52mm electric gauges, and are ideal as direct replacements and in kit cars.

120 mph Speedo with hall effect pickup. Easy to install and calibrate. 0—8,000 RPM Tacho, for 4/6/8 cyls. Adjustable for many applications.

PART No:	DESCRIPTION
578001	80MM SPEEDOMETER 0-120 MPH
633404	SPEEDOMETER PICK UP SENSOR
228015	80MM TACHOMETER 0-8000 RPM



**52mm ELECTRIC INSTRUMENTS**

The Racetech range of electrical instruments is manufactured specifically for competition use having redefined scales and a high quality build specification. They are of lightweight moulded construction and the outer case has a threaded locking ring for ease of installation. Each of the necessary sender units are sold separately.



PART No:	DESCRIPTION
RTEW120	WATER TEMPERATURE GAUGE 0-120 DEG C
RTEOT150	OIL TEMPERATURE GAUGE 0-150 DEG C
RTEOP8	OIL PRESSURE GAUGE 0-8 BAR
RTEAM	AMMETER -30 - +30 AMPS
RTEVM	VOLTMETER 10-16 VOLTS
RTEFG	FUEL LEVEL GAUGE
603533	OIL PRESSURE SENDER M10X1.0
401001	TEMPERATURE SENDER M10X1.0
401408	TEMPERATURE SENDER M14X1.5
401610	TEMPERATURE SENDER M16X1.5
405811	TEMPERATURE SENDER 5/8 UNF
250489	FUEL LEVEL SENDER





# RACETECH

## AIR/FUEL RATIO METER

An excellent diagnostic tool! By using you vehicle's original lambda sensor, or one which we offer, the unit calculates the ratio of fuel to air in the intake mixture and displays it via a series of LED's. This allows the mixture to be altered for maximum power or fuel efficiency.



## AIR/FUEL METERING EQUIPMENT

PART No:	DESCRIPTION
DTM4007	AIR/FUEL RATIO METER
LOS 01	1 WIRE SENSOR
LOS03	3 WIRE SENSOR, +/- HEATER WIRES FOR MORE ACCURATE READING



## GAUGE ISOLATOR

The fuel gauge isolator allows the use of a mechanical gauge without having any of the fuel mixture inside the cockpit. The isolator comes with two male 1/8 BSP threads.



## TACHO CABLES

PART No:	DESCRIPTION
TAC CAB3	3' TACHO CABLE
TAC CAB3'6"	3'6" TACHO CABLE
TAC CAB4	4' TACHO CABLE
TAC CAB4'6"	4'6" TACHO CABLE
TAC CAB5	5' TACHO CABLE
TAC CAB5'6"	5'6" TACHO CABLE
TAC CAB6	6' TACHO CABLE
TAC CAB6'6"	6'6" TACHO CABLE
TAC CAB7	7' TACHO CABLE
TAC CAB7'6"	7'6" TACHO CABLE
TAC CAB8	8' TACHO CABLE
TAC CAB8'6"	8'6" TACHO CABLE
TAC CAB9	9' TACHO CABLE
TAC CAB10	10' TACHO CABLE
TAC CAB12	12' TACHO CABLE



## 25 PSI OIL PRESS SWITCH

PART No:	DESCRIPTION
MO 014	1/8 NPT
MO 015	1/4 NPT



## MALE/FEM ADAPTORS

PART No:	MALE THREAD	FEMALE THREAD
MO 032L	5/8 UNF	1/8 NPT
MO 32M	5/8 UNF	M10 X 1.0
MO 066L	M16 X 1.5	1/8 NPT
MO 006L	1/4 NPT	1/8 NPT
MO 062M	M10 X 1.0	M10 X 1.0
MO 063M	M10 X 1.5	M10 X 1.0
MO 064L	M12 X 1.5	1/8 NPT
MO 064M	M12 X 1.5	M10 X 1.0
MO 065L	M14 X 1.5	1/8 NPT
MO 065M	M14 X 1.5	M10 X 1.0
MO 066M	M16 X 1.5	M10 X 1.0
MO 067M	M18 X 1.5	M10 X 1.0
MO 068M	1/8 NPT	M10 X 1.0
MO 006M	1/4 NPT	M10 X 1.0
MO 069M	3/8 NPT	M10 X 1.0

## FITTINGS & ACCESSORIES

PART No:	DESCRIPTION
OIL LIN7SM	7' NYLON OIL PIPE / SMITH FITTING
OIL LIN7AQ	7' NYLON OIL PIPE / AEROQUIP FITTING
OIL LIN9SM	9' NYLON OIL PIPE / SMITHS FITTING
OIL LIN9AQ	9' NYLON OIL PIPE / AEROQUIP FITTING
321-03SMP	STRAIGHT SMITHS TO -3 HOSE
E332-3G	90 DEGREE SMITHS TO -3 HOSE
321-03P	STRAIGHT AEROQUIP TO -3 HOSE
332-3	90 DEGREE AEROQUIP TO -3 HOSE
GA6BB	MALE/MALE 3/8 BSP X 3/8 BSP
GA6B4	MALE/MALE 3/8 BSP X 5/8UNF
MO 012L	1/8 BSP - 1/8 NPT MALE/MALE

## GAUGE FITTINGS

### T-PIECES

PART No:	END THREADS (MALE/FEM)	SIDE (FEM)
RTA600	M10 X 1.0 / M14 X 1.5 (FEM)	M10 X 1.0
RTA601	M10 X 1.0	M10 X 1.0
MO 052M	M12 X 1.5	M10 X 1.0
MO 053M	M14 X 1.5	M10 X 1.0
MO 054M	M16 X 1.5	M10 X 1.0
MO 055M	M18 X 1.5	M10 X 1.0
MO 056M	1/8 NPT	M10 X 1.0
MO 057M	1/8 BSP	M10 X 1.0
MO 058M	1/4 NPT	M10 X 1.0
MO 059M	3/8 NPT	M10 X 1.0
MO 061M	1/2 UNF	M10 X 1.0
MO 052L	M12 X 1.5	1/8 NPT
MO 054L	M16 X 1.5	1/8 NPT
MO 055L	M18 X 1.5	1/8 NPT
MO 056L	1/8 NPT	1/8 NPT
MO 057L	1/8 BSP	1/8 NPT
MO 058L	1/4 NPT	1/8 NPT
MO 011L	1/4 NPT	1/8 NPT

## HEAT SHRINK

PART No:	DESCRIPTION
RTS650	-3/-4
RTS651	-6/-8
RTS653	-10
RTS654	-12
RTS655	-16







**RACETECH SILICON HOSE**

Racetech hose is made from polyester reinforced 3 ply 0.5MM thick silicon. It can be used for coolant, heating and low temperature turbo charger systems. It's working temperature range is -50°C to + 170°C and it's bursting pressure range is 120-500 PSI for standard 3 ply, although more plies can be used in construction for thicker, stronger walls.

Internal Diameter	(1m)	(45°)	(90°)	(135°)	STRAIGHT	(90°)
	Straight	Elbow	Elbow	Elbow	REDUCERS	REDUCERS
6.5	RTSH6.5S	RTSH6.545	RTSH6.590	RTSH6.5135	RTSH2516S	RTSH251990
8	RTSH8S	RTSH845	RTSH890	RTSH8135	RTSH2519S	RTSH383290
9.5	RTSH9.5S	RTSH9.545	RTSH9.590	RTSH9.5135	RTSH3225S	RTSH383590
11	RTSH11S	RTSH1145	RTSH1190	RTSH11135	RTSH3828S	RTSH605090
13	RTSH13S	RTSH1345	RTSH1390	RTSH13135	RTSH3832S	RTSH635190
16	RTSH16S	RTSH1645	RTSH1690	RTSH16135	RTSH3835S	RTSH705090
19	RTSH19S	RTSH1945	RTSH1990	RTSH19135	RTSH4538S	RTSH706090
22	RTSH22S	RTSH2245	RTSH2290	RTSH22135	RTSH4825S	RTSH765190
25	RTSH25S	RTSH2545	RTSH2590	RTSH25135	RTSH4830S	RTSH766390
28	RTSH28S	RTSH2845	RTSH2890	RTSH28135	RTSH5138S	RTSH895090
32	RTSH32S	RTSH3245	RTSH3290	RTSH32135	RTSH5145S	
35	RTSH35S	RTSH3545	RTSH3590	RTSH35135	RTSH5451S	
38	RTSH38S	RTSH3845	RTSH3890	RTSH38135	RTSH5751S	
41	RTSH41S	RTSH4145	RTSH4190	RTSH41135	RTSH6050S	
45	RTSH45S	RTSH4545	RTSH4590	RTSH45135	RTSH6351S	
48	RTSH48S	RTSH4845	RTSH4890	RTSH48135	RTSH6357S	
51	RTSH51S	RTSH5145	RTSH5190	RTSH51135	RTSH7050S	
54	RTSH54S	RTSH5445	RTSH5490	RTSH54135	RTSH7060S	
57	RTSH57S	RTSH5745	RTSH5790	RTSH57135	RTSH7063S	
60	RTSH60S	RTSH6045	RTSH6090	RTSH60135	RTSH7651S	
63	RTSH63S	RTSH6345	RTSH6390	RTSH63135	RTSH8070S	
70	RTSH70S	RTSH7045	RTSH7090	RTSH70135	RTSH8369S	
76	RTSH76S	RTSH7645	RTSH7690	RTSH76135	RTSH8879S	
80	RTSH80S	RTSH8045	RTSH8090	---	RTSH8970S	
83	RTSH83S	RTSH8345	RTSH8390	---	RTSH8980S	
89	RTSH89S	RTSH8945	RTSH8990	---	RTSH10276S	
102	RTSH102S	RTSH10245	RTSH10290	---		



180 DEG SILICON HOSE ALSO AVAILABLE-PLEASE ASK US

**OTHER RACETECH HOSES**

Racetech silicon hoses are also available with a fluoro lining for oil and fuel applications or in nomex for high temperature applications. For fluoro part numbers add F to part no. eg: RTSH32SF. For nomex part numbers add N to part no. eg: RTSH32SN. Wire reinforced hoses are also available in straight lengths for increased flexibility and they will not collapse under vacuum. For wire reinforced part numbers add WR to part no. eg: RTSH76WR. Racetech silicon hose is available in blue and black wrap as standard. Other colors, as well as special one-off hoses and hose kits for specific cars are available to order. Please call for more details.

**RACETECH BLACK WRAP HOSES**

Racetech black wrap silicon hose was developed for applications where blue is unsuitable. This hose is made from the same modern silicon construction and has the same properties as the blue hose but with the appearance of old rubber hose. Available in the same range of sizes and bends as the blue hose and is ideal for historic and vintage cars. To order black wrap hose use RTBH rather than RTSH for the part number.



# ODYSSEY

## EXTREME RACING-ODYSSEY BATTERIES

This new range of 12V racing batteries by EnerSys are designed specifically for motor racing, the advantages include;

- Non-spillable-design (can be mounted in a variety of ways)
- Protected from high impact shock & mechanical vibration
- Capable of 100% recharge in 4-6 hours
- Operating temperatures from -40 DEG to + 40 DEG C
- With service life of 3-10 years they save time & money

Part No.	Ah rating	Weight	Dimensions LXWXH	Cranking Current 20°C for 5 Secs	Terminals
		Kg			
RTR 8	7	2.7	138X86X101	200A	M4 FEM
RTR 15	14	5	200X77X140	400A	M6 MALE
RTR 20	14	4.9	176X84X130	360A	M6 FEM
RTR 25	18	6.1	182X77X168	625A	M6 FEM
RTR 700	18	6	169X99X174	625A	M6 MALE
RTR 30	26	9	250X97X156	685A	M6 MALE
RTR 40	38	12.5	250X97X206	965A	M6 MALE
RTR 60	51	17.5	220X121X260	1230A	M6 MALE



## DEKA BATTERIES

**FACTORY SEALED, VALVE REGULATED MAINTENANCE FREE DESIGN**  
eliminates damage from acid spills and corrosion, environmentally safe.

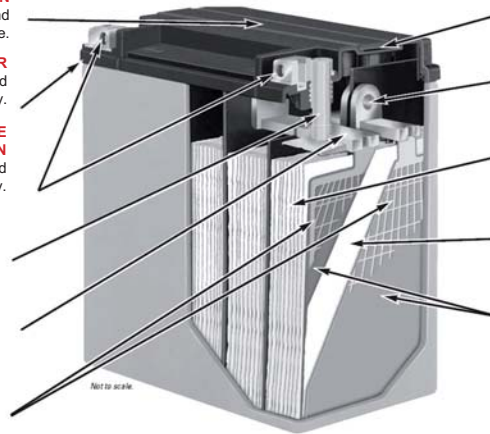
**HEAT SEALED COVER**  
eliminates electrolyte leakage and improves reliability.

**MOLDED TOP AND SIDE CONNECTION TERMINAL DESIGN**  
provides ease of installation, increased strength and durability.

**HEAVY-DUTY POSTS**  
resist vibration damage.

**HEAVY TOP LEAD**  
improves plate-to-lug adhesion for vibration resistance, long life and performance.

**CALCIUM POSITIVE AND NEGATIVE, FULL-FRAME POWER PATH GRIDS**  
provide the highest cranking amps and the lowest self discharge rates for off season storage.



**UNIQUE LEAKPROOF PRESSURIZED VENT SYSTEM**  
is engineered for safety and long life. Retards dry out.

**LARGER THROUGH PARTITION WELDS**  
increase power output and increase durability.

**ABSORBED DEMINERALIZED ELECTROLYTE**  
improves service life and off season storage.

**TEAR RESISTANT ABSORBED GLASS MATT SEPARATORS**  
retain acid, protecting plates and ensuring long life.

**HIGH DENSITY OXIDE**  
provides maximum power per pound for dependable "high cycling" service.

**POSITIVE TERMINAL CAP**  
(not shown) protects against short circuits and sparks during transport and storage.

**STAINLESS STEEL TERMINAL BOOTS**  
(not shown) eliminates rust and corrosion.

PART NO:	CCA @ 0°F	10 A.H RATING	WEIGHT		LENGTH		WIDTH		HEIGHT	
			LBS	KG	IN.	MM	IN.	MM	IN.	MM
ETX9	120	8	6.3	2.9	5 7/8	150	3 7/16	88	4 3/16	106
ETX12	180	10	9.4	4.3	5 7/8	150	3 7/16	88	5 1/8	130
ETX14	200	12	12	5.4	5 7/8	150	3 7/16	88	5 3/4	145
ETX15	190	14	11	5	5 1/4	134	3 1/2	90	6 9/16	166
ETX15L	190	14	11	5	5 1/4	134	3 1/2	90	6 5/9	166
ETX16	275	19	17	7.7	6 7/8	175	4	100	6 1/8	155
ETX16L	275	19	17	7.7	6 7/8	175	4	100	6 1/8	155
ETX18L	300	20	18	8.2	8 1/8	206	3 9/16	91	6 3/8	163
ETX20L	270	17.5	15.5	7	6 7/8	177	3 7/16	88	6 1/8	155
ETX30L	365	26	21.7	9.8	6 5/8	168	5 3/16	131	6 1/8	176





**BATTERY CHARGERS & BOXES**

PART No:	DESCRIPTION	PART No:	DESCRIPTION
9640	12V 2.7A 3 STAGE CHARGER	BBL	STANDARD RED BOX
00-0017	12V 5A 3 STAGE CHARGER	BBL CL	STANDARD CARBON LOOK
00-0019	12V 1A 5 CHANNEL 3 STAGE	BBRTR30	RTR 30 LAY DOWN RED
CWBS1	DEKA BATTERY CHARGER 12V 10A	BBRTR30CL	RTR 30 LAY DOWN CARBON LOOK

**CHARGING INFORMATION**  
 BATTERIES ARE DISPATCHED IN A CHARGED CONDITION BUT A SHORT CHARGE IS RECOMMENDED BEFORE USE. BATTERIES MUST NEVER BE LEFT IN A DISCHARGED STATE. BATTERIES **MUST NOT** BE BOOST CHARGED UNDER ANY CIRCUMSTANCES



PART No:	APPLICATION
TYPE2353MK1	VINTAGE DFV ENGINES
TYPE2535MK2	COSWORTH DFR AND LATER DFV
TYPE2535MK3	COSWORTH HC, HB HART F1 INCL TURBO ENGINES



**RACETECH UNIVERSAL JOINTS**

**RACETECH MILITARY STANDARD JOINT**

Racetech universal joints are precisely designed and manufactured to heavy duty military specification (mil/j/6193) for the aerospace industry. These are suitable for use in gearbox linkages where low deflection rates, good strength-to-weight ratio and long service life are essential.

PART No:	DESCRIPTION
RTUJ B10	1/2" X 1/2" BORE
RTUJ B12	5/8" X 5/8" BORE
RTUJ B14	3/4" X 3/4" BORE



**HOOKE TYPE UNIVERSAL JOINT**

The Racetech universal joint is of high quality, manufactured from high-grade alloy steel for increased durability and better performance than standard industrial-grade models. All components are heat treated, precision machined and ground to close tolerances.

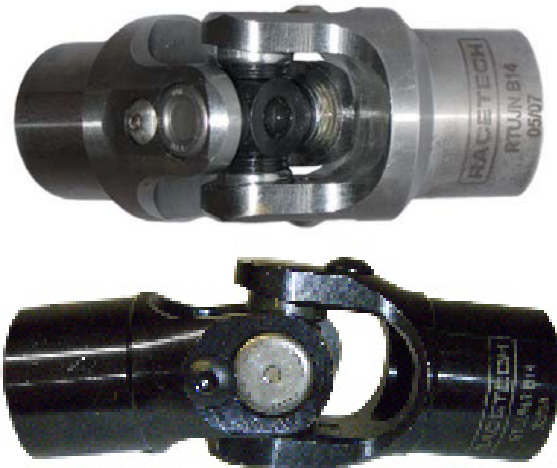
PART No:	DESCRIPTION
RTUJ 1	1/2" X 1/2" BORE
RTUJ 2	1/2" X 5/8" BORE



**NEEDLE BEARING TYPE UNIVERSAL JOINT**

Very high quality Racetech needle roller universal joint, available in either aluminium or high grade steel, suitable for all types of linkage. Needle bearings are sealed units, for longer life and durability.

PART No:	DESCRIPTION
RTUJN B10	1/2" X 1/2"
RTUJN B10A	1/2" X 1/2" ALLOY
RTUJN B12	5/8" X 5/8"
RTUJN B12A	5/8" X 5/8" ALLOY
RTUJN B14	3/4" X 3/4"
RTUJN B14A	3/4" X 3/4" ALLOY
RTUJN B	BLANK STEEL JOINT
RTUJNS B10	1/2" X 1/2" STEERING JOINT
RTUJNS B12	5/8" X 5/8" STEERING JOINT
RTUJNS B14	3/4" X 3/4" STEERING JOINT





## RACETECH SPRINGS

3, 4, 5, 6, 7, 8, 9, 10, 10.5, 12, 14 and 16 inch springs.

A complete range of springs are now available with 1.9, 2, 2.25 and 2.5 inch inside diameters (I.D.). Metric inside diameters are also available to special order. These springs are computer designed, and rates range from 100 lbs through to 2000 lbs (heavier weights are available). Manufactured from a chrome vanadium steel, which is heat treated and shot peened, with a black powder coating finish as standard (other colours available to order). Along with most mechanical components fitted to racing cars, springs have entered a new era in design and competition. Our springs are fitted as original equipment by many constructors and race proved by many top teams.

RATE	FREE LENGTH						
	4"	5"	6"	7"	8"	9"	10.5"
150	RT4S150	RT5S150	RT6S150	RT7S150	RT8S150	RT9S150	RT10.5S150
170	RT4S170	RT5S170	RT6S170	RT7S170	RT8S170	RT9S170	RT10.5S170
180	RT4S180	RT5S180	RT6S180	RT7S180	RT8S180	RT9S180	RT10.5S180
200	RT4S200	RT5S200	RT6S200	RT7S200	RT8S200	RT9S200	RT10.5S200
225	RT4S225	RT5S225	RT6S225	RT7S225	RT8S225	RT9S225	RT10.5S225
250	RT4S250	RT5S250	RT6S250	RT7S250	RT8S250	RT9S250	RT10.5S250
275	RT4S275	RT5S275	RT6S275	RT7S275	RT8S275	RT9S275	RT10.5S275
300	RT4S300	RT5S300	RT6S300	RT7S300	RT8S300	RT9S300	RT10.5S300
325	RT4S325	RT5S325	RT6S325	RT7S325	RT8S325	RT9S325	RT10.5S325
350	RT4S350	RT5S350	RT6S350	RT7S350	RT8S350	RT9S350	RT10.5S350
375	RT4S375	RT5S375	RT6S375	RT7S375	RT8S375	RT9S375	RT10.5S375
400	RT4S400	RT5S400	RT6S400	RT7S400	RT8S400	RT9S400	RT10.5S400
425	RT4S425	RT5S425	RT6S425	RT7S425	RT8S425	RT9S425	RT10.5S425
450	RT4S450	RT5S450	RT6S450	RT7S450	RT8S450	RT9S450	RT10.5S450
475	RT4S475	RT5S475	RT6S475	RT7S475	RT8S475	RT9S475	RT10.5S475
500	RT4S500	RT5S500	RT6S500	RT7S500	RT8S500	RT9S500	RT10.5S500
525	RT4S525	RT5S525	RT6S525	RT7S525	RT8S525	RT9S525	RT10.5S525
550	RT4S550	RT5S550	RT6S550	RT7S550	RT8S550	RT9S550	RT10.5S550
575	RT4S575	RT5S575	RT6S575	RT7S575	RT8S575	RT9S575	RT10.5S575
600	RT4S600	RT5S600	RT6S600	RT7S600	RT8S600	RT9S600	RT10.5S600
625	RT4S625	RT5S625	RT6S625	RT7S625	RT8S625	RT9S625	RT10.5S625
650	RT4S650	RT5S650	RT6S650	RT7S650	RT8S650	RT9S650	RT10.5S650
675	RT4S675	RT5S675	RT6S675	RT7S675	RT8S675	RT9S675	RT10.5S675
700	RT4S700	RT5S700	RT6S700	RT7S700	RT8S700	RT9S700	RT10.5S700
725	RT4S725	RT5S725	RT6S725	RT7S725	RT8S725	RT9S725	RT10.5S725
750	RT4S750	RT5S750	RT6S750	RT7S750	RT8S750	RT9S750	RT10.5S750
775	RT4S775	RT5S775	RT6S775	RT7S775	RT8S775	RT9S775	RT10.5S775
800	RT4S800	RT5S800	RT6S800	RT7S800	RT8S800	RT9S800	RT10.5S800
850	RT4S850	RT5S850	RT6S850	RT7S850	RT8S850	RT9S850	RT10.5S850
900	RT4S900	RT5S900	RT6S900	RT7S900	RT8S900	RT9S900	RT10.5S900
950	RT4S950	RT5S950	RT6S950	RT7S950	RT8S950	RT9S950	RT10.5S950
1000	RT4S1000	RT5S1000	RT6S1000	RT7S1000	RT8S1000	RT9S1000	RT10.5S1000
1050	RT4S1050	RT5S1050	RT6S1050	RT7S1050	RT8S1050	RT9S1050	RT10.5S1050
1100	RT4S1100	RT5S1100	RT6S1100	RT7S1100	RT8S1100	RT9S1100	RT10.5S1100
1150	RT4S1150	RT5S1150	RT6S1150	RT7S1150	RT8S1150	RT9S1150	RT10.5S1150
1200	RT4S1200	RT5S1200	RT6S1200	RT7S1200	RT8S1200	RT9S1200	RT10.5S1200
1250	RT4S1250	RT5S1250	RT6S1250	RT7S1250	RT8S1250	RT9S1250	RT10.5S1250
1300	RT4S1300	RT5S1300	RT6S1300	RT7S1300	RT8S1300	RT9S1300	RT10.5S1300
1350	RT4S1350	RT5S1350	RT6S1350	RT7S1350	RT8S1350	RT9S1350	RT10.5S1350
1400	RT4S1400	RT5S1400	RT6S1400	RT7S1400	RT8S1400	RT9S1400	RT10.5S1400
1500	RT4S1500	RT5S1500	RT6S1500	RT7S1500	RT8S1500	RT9S1500	RT10.5S1500

This table is an example of 2.25" I.D rates and lengths available. For different I.Ds, add the I.D. to the part no. For example: RT6S3001.9 (6" length, 300lb rate, 1.9" I.D.).



## HELPER SPRINGS

All Helper Springs are manufactured in Chrome Vanadium spring steel. Free lengths available are 2" and 4" Internal diameters available 1.9"/2.0", 2.25" and 2.5". Rates available 4lbs to 450lbs. Other lengths, rates or diameters may be available, depending on customer requirements. Spring seats, for fitting helper springs, are also available.



## RACING SPRINGS

Eibach uses the World's finest Hi-Ten spring steel, produced to exceedingly high tolerances. Eibach also uses World-renowned German CNC coilers, as well as many machines engineered and built by Eibach. **Please contact E-TECH racing for further information and a quote**



# RACETECH

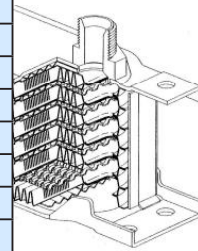
## RACETECH OIL COOLERS

The new Racetech oil coolers are constructed from aluminium using the very latest technology. The oil coolers are available in different numbers of rows, different widths and with a large range of fittings. The BSP fitting oil coolers are generally used with push-on hose and the JIC fitting oil coolers are used with the Goodridge red and blue hose ends. The Racetech coolers are manufactured for Racetech by the company formerly known as Oxford Radiators and are used on most race cars worldwide.

ROWS	-6 JIC	-8 JIC	-10 JIC	-12 JIC	-16 JIC	3/8 BSP	1/2 BSP	5/8 BSP	3/4 BSP
7	07115-6	07115-8	07115-10	N/A	N/A	071153/8	071151/2	N/A	N/A
10	10115-6	10115-8	10115-10	10115-12	N/A	101153/8	101151/2	101155/8	N/A
13	13115-6	13115-8	13115-10	13115-12	N/A	131153/8	131151/2	131155/8	131153/4
16	16115-6	16115-8	16115-10	16115-12	16115-16	161153/8	161151/2	161155/8	161153/4
19	19115-6	19115-8	19115-10	19115-12	19115-16	191153/8	191151/2	191155/8	191153/4
25	25115-6	25115-8	25115-10	25115-12	25115-16	251153/8	251151/2	251155/8	251153/4
34	34115-6	34115-8	34115-10	34115-12	34115-16	341153/8	341151/2	341155/8	341153/4
44	44115-6	44115-8	44115-10	44115-12	44115-16	N/A	441151/2	441155/8	441153/4
50	50115-6	50115-8	50115-10	50115-12	50115-16	N/A	501151/2	501155/8	501153/4



ROWS	-6 JIC	-8 JIC	-10 JIC	-12 JIC	-16 JIC	3/8 BSP	1/2 BSP	5/8 BSP	3/4 BSP
7	07235-6	07235-8	07235-10	07235-12	N/A	072353/8	072351/2	072355/8	072353/4
10	10235-6	10235-8	10235-10	10235-12	10235-16	102353/8	102351/2	102355/8	102353/4
13	13235-6	13235-8	13235-10	13235-12	13235-16	132353/8	132351/2	132355/8	132353/4
16	16235-6	16235-8	16235-10	16235-12	16235-16	162353/8	162351/2	162355/8	162353/4
19	19235-6	19235-8	19235-10	19235-12	19235-16	192353/8	192351/2	192355/8	192353/4
25	25235-6	25235-8	25235-10	25235-12	25235-16	252353/8	252351/2	252355/8	252353/4
34	34235-6	34235-8	34235-10	34235-12	34235-16	342353/8	342351/2	342355/8	342353/4
44	44235-6	44235-8	44235-10	44235-12	44235-16	N/A	442351/2	442355/8	442353/4
50	50235-6	50235-8	50235-10	50235-12	50235-16	N/A	502351/2	502355/8	502353/4



# Setrab

## Oil Coolers

## SETRAB OIL COOLERS

Setrab oil coolers have been made in Sweden since 1967, The coolers come with female M22x1.5 thread and adaptors. For part numbers please use the above and add "SETRAB" before the number, e.g. SETRAB16235-10



## RACETECH BRAKE & CLUTCH: HOSE FITTINGS & ADAPTORS

PLEASE NOTE: -3 THREAD IS 3/8 UNF AND -4 IS 7/16 UNF



-3 & -4 BSP SWEPT TUBE CAD HOSE ENDS

PART No:	DASH SIZE	ORIENTATION	THREAD
321-3	-3	STRAIGHT	1/8 BSP
E321-4	-4	STRAIGHT	1/4 BSP
331-3	-3	45 DEG	1/8 BSP
331-4	-4	45 DEG	1/4 BSP
332-3	-3	90 DEG	1/8 BSP
332-4	-4	90 DEG	1/4 BSP



-3 & -4 JIC FORGED HOSE ENDS

PART No:	DASH SIZE	THREAD	FINISH/PLATING
RTF550	STRAIGHT	-3	STAINLESS STEEL
RTF551	45 DEG	-3	STAINLESS STEEL
RTF552	90 DEG	-3	STAINLESS STEEL



METRIC FEMALE HOSE ENDS: CONCAVE

PART No:	DASH SIZE	THREAD	FINISH/PLATING
RTF326	-3	10X1mm	ZINC PLATING
RTF526	-3	10X1mm	STAINLESS STEEL
RTF327	-3	10X1.25mm	ZINC PLATED



MALE BULKHEAD HOSE ENDS

PART No:	DASH SIZE	THREAD	FINISH/PLATING
RTF310	-3	-3	ZINC PLATING
RTF311	-3	10X1mm	ZINC PLATING



MALE HOSE ENDS

PART No:	DASH SIZE	THREAD	FINISH/PLATING
CONVEX	-	-	-
RTF301	-3	3/8X24 UNF	ZINC PLATED
RTF502	-3	10X1mm	STAINLESS STEEL
RTF503	-3	10X1.25	STAINLESS STEEL
RTF528	-3	10X1mm	STAINLESS STEEL
CONCAVE	-	-	-
RTF302	-3	10X1mm	ZINC PLATED
RTF303	-3	10X1.25mm	ZINC PLATED



BULKHEAD ADAPTORS

PART No:	THREAD SIZE	FINISH PLATING
RTA420	1/8 BSP X 3/8 UNF	ZINC PLATING
RTA421	1/8 BSP X 10X1mm	ZINC PLATING

BRASS OLIVES

PART No:	SIZE
568-3B	-3
900568-4B	-4

COPPER WASHERS

PART No:	SIZE
RTW480	-3
RTW481	-4



BANJO HOSE ENDS

PART No:	SIZE	FINISH/PLATING
RTF320	-3	ZINC PLATED
RTF321	-4	ZINC PLATED
RTF520	-3	STAINLESS STEEL



EXT. BANJO HOSE ENDS

PART No:	SIZE	FINISH/PLATING
RTF323	-3	ZINC PLATED
RTF523	-3	STAINLESS STEEL



20° SIDE BEND BANJO

PART No:	SIZE	FINISH/PLATING
RTF525	-3	STAINLESS STEEL



BANJO BOLTS

PART No:	SIZE	FINISH/PLATING
RTB450	-3 SHORT	ZINC PLATED
RTB451	-3 LONG	ZINC PLATED
RTB551	-3	STAINLESS STEEL
RTB452	10X1mm	ZINC PLATED
RTB552	10X1mm	STAINLESS STEEL
RTB453	10X1.25mm	ZINC PLATED
RTB553	10X1.25mm	STAINLESS STEEL



DOUBLE BANJO BOLTS

PART No:	SIZE	FINISH/PLATING
RTB455	10X1mm	ZINC PLATED
RTB552	10X1mm	STAINLESS STEEL
RTB456	10X1.25mm	ZINC PLATED
RTB556	10X1.25mm	STAINLESS STEEL
773-03	-3	ZINC PLATED
773-04	-4	S/S OR PLATED
1013-03	1/8 BSP	S/S OR PLATED



MALE/ MALE ADAPTORS

PART No:	SIZE	FINISH/PLATING
CONVEX	-	-
RTA400	1/8 BSP X 3/8 UNF	ZINC PLATED
RTA401	1/8 BSP X 10X1mm	ZINC PLATED
RTA507	-3 JIC X 10X1mm	STAINLESS STEEL
CONCAVE	-	-
RTA508	-3 JIC X 10X1mm	STAINLESS STEEL
RTA509	-3 JIC X 10X1.25mm	STAINLESS STEEL
RTA402	1/8 BSP X 10X1.25mm	ZINC PLATED



DOUBLE BANJO HOSE ENDS

PART No:	SIZE	FINISH/PLATING
RTF322	-3	ZINC PLATED
RTF522	-3	STAINLESS STEEL



20° EXT. BANJO HOSE ENDS

PART No:	SIZE	FINISH/PLATING
RTF324	-3	ZINC PLATED
RTF524	-3	STAINLESS STEEL



PART No:	TYPE
RTF561	-3 JIC
RTF562	1/8 BSP



PART No:	TYPE
RTF560	-3 HOSE



PART No:	TYPE
RTF563	-3 H/END -3 JIC



PART No:	TYPE
RTF564	-3 H/END 1/8 BSP



PART No:	TYPE
RTT460	1/8 BSPW

BACK NUTS



PART No:	SIZE
RTN348	-3 CAD
RTN548	-3 S/S

**-3/-4 BRAKE & CLUTCH HOSE FITTINGS & ADAPTORS**

HOSE END MATERIALS: **ADD P FOR PLATED STEEL, C FOR STAINLESS STEEL AND D FOR ALUMINIUM**



S/S BRAIDED TEFLON HOSE

PART No:	SIZE	BORE
RTH-3	-3	1/8"
RTH-4	-4	3/16"



90° SWEPT FEMALE CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6091-03	-3	-3
6091-04	-4	-4



45° DOUBLE SWIVEL CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6045-03	-3	-3
6045-04	-4	-4



45° SWEPT FEMALE CONVEX SEAT

PART No:	HOSE SIZE	THREAD
331-03	-3	1/8 BSP
331-04	-4	1/4 BSP



STRAIGHT MALE CONVEX SEAT

PART No:	HOSE SIZE	THREAD
441-03	-3	-3
441-04	-4	-4
445-31	-3	M10X1
445-32	-3	M10X1.25



FIXED FEMALE B/HEAD CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
748-03	-3	-3
749-03-31	-3	M10X1
749-03-35	-3	M10X1.5



STRAIGHT BANJO

PART No:	HOSE SIZE	TO SUIT
5091-03	-3	3/8, 10MM
5091-03-04	-3	7/16
5091-04-03	-4	3/8, 10MM
5091-04	-4	7/16



STRAIGHT FEMALE CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6001-03	-3	-3
6001-03-04	-3	-4
6001-04	-4	-4
451-31	-3	M10X1mm
451-32	-3	M10X1.25mm



45° FORGED FEMALE CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6045-03	-3	-3
6045-04	-4	-4



90° DOUBLE SWIVEL CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6690-03	-3	-3
6690-04	-4	-4



90° SWEPT FEMALE CONVEX SEAT

PART No:	HOSE SIZE	THREAD
332-03	-3	1/8 BSP
332-04	-4	1/4 BSP



STRAIGHT MALE B/HEAD CONVEX SEAT

PART No:	HOSE SIZE	THREAD
443-03	-3	-3
443-04	-4	-4
446-31	-3	M10X1
446-32	-3	M10X1.25



FIXED FEMALE B/HEAD CONVEX SEAT

PART No:	HOSE SIZE	INNER
704-03	-3	-3
750-03-31	-3	M10X1
750-03-31	-3	M10X1.5



STRAIGHT BANJO EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5092-03	-3	3/8, 10MM
5092-03-04	-3	7/16



45° SWEPT FEMALE CONCAVE SEAT

PART No:	FITTINGS	THREAD
6046-03	-3	-3
6046-04	-4	-4



90° FORGED FEMALE CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
6090-03	-3	-3
6090-04	-4	-4



STRAIGHT FEMALE CONVEX SEAT

PART No:	HOSE SIZE	THREAD
452-31	-3	-3
452-32	-3	M10X1.25
452-35	-3	M10X1.5
321-03	-3	1/8 BSP



STRAIGHT MALE CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
440-03	-3	-3
442-31	-3	M10X1
442-32	-3	M10X1.25
323-03	-3	1/8 BSP



STRAIGHT MALE B/HEAD CONCAVE SEAT

PART No:	HOSE SIZE	THREAD
444-31	-3	M10X1
444-32	-3	M10X1.25



FIXED CIRCLIP FEM B/HEAD

PART No:	HOSE SIZE	INNER
CONCAVE	-	-
758-03-03	-3	-3
758-03-31	-3	M10X1
CONVEX	-	-
759-03-03	-3	-3
759-03-31	-3	M10X1



20° BANJO EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5093-03	-3	3/8, 10MM
5093-03-04	-3	7/16



## -3/-4 FITTINGS CONTINUED



45° BANJO EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5094-03	-3	3/8, 10mm



90° BANJO EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5099-03	-3	3/8, 10mm



70° BANJO EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5070-03	-3	3/8, 10mm



SIDE BANJO 20° EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5097-03	-3	3/8, 10mm



TWIN BANJO STRAIGHT

PART No:	HOSE SIZE	TO SUIT
5095-03	-3	3/8, 10mm
5095-03-04	-3	7/16



TWIN BANJO STRAIGHT EXTENDED NECK

PART No:	HOSE SIZE	TO SUIT
5098-03	-3	3/8, 10mm



90° BANJO

PART No:	HOSE SIZE	TO SUIT
5096-03	-3	3/8, 10mm



SINGLE BANJO BOLT

PART No:	THREAD
775-03	-3
775-03L	-3 LONG
775-04	-4
992-03-31	M10X1
992-03-31L	M10X1 LONG
992-03-32	M10X1.25
1012-03	1/8 BSP



DOUBLE BANJO BOLT

PART No:	THREAD
773-03	-3
773-03L	-3 LONG
773-04	-4
993-03-31	M10X1
993-03-31L	M10X1 LONG
993-03-32	M10X1.25
1013-03	1/8 BSP



BANJO WITH BLEED

PART No:	THREAD
775-03BN	-3 SINGLE
992-31BN	10X1 SINGLE
992-32BN	10X1.25 SINGLE
773-03BN	-3 DOUBLE
993-31BN	10X1 DOUBLE
993-32BN	10X1.25 DOUBLE



BANJO BOLT H/END

PART No:	THREAD	HOSE
492-31	M10X1mm	-3



TEE PIECE

PART No:	THREAD	HOSE
5135-03	-	-3



TEE PIECE

PART No:	THREAD	HOSE
5131-03	-3	-3



TEE PIECE

PART No:	THREAD	HOSE
5130-03	-3	N/A



-3 BRAKELIGHT SWITCH BODY

PART No:	THREAD	HOSE
MCHD-002	1/8 NPT	-3



SINGLE BANJO ADAPTOR

PART No:	THREAD	BOLT SIZE
776-03	-3	-3 / 10mm
776-04	-4	-4



TWIN BANJO ADAPTOR

PART No:	THREAD	BOLT SIZE
779-03	-3	-3 / 10mm
779-04	-4	-4



BRAKELIGHT BANJO

PART No:	THREAD	HOSE
BL775-03	-3	-3
BL775-44	7/16 X 24	-3
BL992-31	10X1mm	-3
BL992-32	10X1.25mm	-3



STRAIGHT MAIL B/HEAD BLEED

PART No:	THREAD	HOSE
443-03BNP	-3	-3



DOWTY SEALS

SOME SEALS CROSS REF

PART No:	SIZE
DOW SEA 1/8	1/8 BSP
DOW SEA 1/4	1/4 BSP
DOW SEA 1/2	1/2 BSP
DOW SEA 5/8	5/8 BSP
DOW SEA 3/4	3/4 BSP
DOW SEA -6	-6 JIC
DOW SEA -8	-8 JIC
DOW SEA -16	-16 JIC
DOW SEA 12	12mm
DOW SEA 14	14mm
DOW SEA 18	18mm



SPEED BLEEDER

PART No:	THREAD
BN506PSB	-3
BN507PSB	7X1
BN508PSB	8X1.25
BN510PSB	10X1
BN561PSB	6X1



BLEED NIPPLE

PART No:	THREAD
BN506	-3
BN507	7X1
BN508	8X1.25
BN510	10X1



BACK NUTS

PART No:	SIZE
1206-3	-3
1206-4	-4



## 200 SERIES HOSE

The traditional stainless steel braided hose. Suitable for oils and fuels from -46°C to +150°C.



PART No:	HOSE SIZE	HOSE I.D.	HOSE O.D.	WORKING PRESS	BURST PRESS	MIN. BEND RADIUS	WEIGHT PER ft
200-06	-06	0.34"	0.55"	1000 psi	6000 psi	2.5"	0.14 lb
200-08	-08	0.44"	0.64"	1000 psi	5000 psi	3.5"	0.18 lb
200-10	-10	0.56"	0.80"	1000 psi	5000 psi	4.0"	0.23 lb
200-12	-12	0.69"	0.93"	1000 psi	3750 psi	4.5"	0.28 lb
200-16	-16	0.88"	1.15"	750 psi	2500 psi	5.5"	0.38 lb

## 1136 ALUMINIUM REUSABLE FITTINGS

These fittings are engineered to match Goodridge racing hose tolerances to provide excellent performance and service. The smooth, brazed tube design provides excellent fluid flow. This series combines the popular single nipple design with 360° adjustability at affordable prices.

PART No:	JIC SIZE
1136-0106	-06
1136-0108	-08
1136-0110	-10
1136-0112	-12
1136-0116	-16

PART No:	JIC SIZE
1136-3006	-06
1136-3008	-08
1136-3010	-10
1136-3012	-12
1136-3016	-16

PART No:	JIC SIZE
1136-4506	-06
1136-4508	-08
1136-4510	-10
1136-4512	-12
1136-4516	-16

PART No:	JIC SIZE
1136-6006	-06
1136-6008	-08
1136-6010	-10
1136-6012	-12
1136-6016	-16

PART No:	JIC SIZE
1136-9006	-06
1136-9008	-08
1136-9010	-10
1136-9012	-12
1136-9016	-16



PART No:	JIC SIZE
1136-12006	-06
1136-12008	-08
1136-12010	-10
1136-12012	-12
1136-12016	-16

PART No:	JIC SIZE
1136-15006	-06
1136-15008	-08
1136-15010	-10
1136-15012	-12
1136-15016	-16

PART No:	JIC SIZE
1136-18006	-06
1136-18008	-08
1136-18010	-10
1136-18012	-12
1136-18016	-16

PART No:	JIC SIZE
336-4506	-06
336-4508	-08
336-4510	-10
336-4512	-12
336-4516	-16

PART No:	JIC SIZE
336-9006	-06
336-9008	-08
336-9010	-10
336-9012	-12
336-9016	-16



## 136 FITTINGS

The 136 range are identical to the 1136 red and blue range but silver electroplate.

## H/END FINISHERS

For red finishers part number add R ie: 936-06DR.  
For blue add B. For chrome add CH.

PART No:	JIC SIZE
936-04D	-4 & -5
936-06D	-6 & -7
936-08D	-8
936-10D	-10
936-12D	-12
936-16D	-16



PART No:	JIC SIZE
136-0106DE	-06
136-0108DE	-08
136-0110DE	-10
136-0112DE	-12
136-0116DE	-16

PART No:	JIC SIZE
136-4506DE	-06
136-4508DE	-08
136-4510DE	-10
136-4512DE	-12
136-4516DE	-16

PART No:	JIC SIZE
136-9006DE	-06
136-9008DE	-08
136-9010DE	-10
136-9012DE	-12
136-9016DE	-16



## CARB HOSE FITTINGS

PART No:	DESCRIPTION
2776-1136	-6 BANJO TO 90 DEG H/END
2776-2106	-6 BANJO TO H/END TEE
2776-06-M12D	M12X1.5 BANJO BOLT (WEBBER)
2776-06-M122D	M12X1.25 BANJO BOLT (DELLORTO)
CW901-M16	WASHER TO SUIT BANJO BOLTS



## 811 SERIES HOSE AND FITTINGS

A new lightweight PTFE lined hose suitable for unleaded fuel and oils. Impervious to brake fluid, oils, fuel and alcohol. All fittings are reusable aluminium in silver and black finish. Operates between -70°C and +260°C.



PART No:	HOSE SIZE	HOSE I.D.	HOSE O.D.	WORKING PRESS	BURST PRESS	MIN. BEND RADIUS	WEIGHT PER ft
811-04	-04	0.270"	0.378"	1320 psi	5290 psi	0.750"	0.0414 lb
811-06	-06	0.375"	0.512"	1180 psi	4700 psi	0.787"	0.0941 lb
811-08	-08	0.500"	0.650"	1030 psi	4120 psi	1.496"	0.1949 lb
811-10	-10	0.625"	0.819"	955 psi	3820 psi	1.771"	0.2352 lb
811-12	-12	0.750"	0.961"	880 psi	3530 psi	1.969"	0.2688 lb
811-16	-16	1.000"	1.272"	740 psi	2940 psi	2.756"	0.4233 lb



PART No:	JIC SIZE
811-0104	-04
811-0106	-06
811-0108	-08
811-0110	-10
811-0112	-12
811-0116	-16

PART No:	JIC SIZE
811-4504	-04
811-4506	-06
811-4508	-08
811-4510	-10
811-4512	-12
811-4516	-16

PART No:	JIC SIZE
811-9004	-04
811-9006	-06
811-9008	-08
811-9010	-10
811-9012	-12
811-9016	-16

PART No:	JIC SIZE
812-4506	-6
812-4508	-8
812-4510	-10
812-4512	-12

PART No:	JIC SIZE
812-9006	-6
812-9008	-8
812-9010	-10
812-9012	-12

## PUSH-FIT HOSE AND FITTINGS

### TEXTILE BRAIDED LOW PRESSURE HOSE

This hose is constructed of synthetic rubber tube, textile braid reinforcement and synthetic rubber cover. It is suitable for use with petrol, lubricating oils, air and water, and has a temperature range of -40°C to +100°C.



PART No:	HOSE I.D.	HOSE O.D.	WORKING PRESS	BURST PRESS	MIN. BEND RADIUS
FBN-0400	0.25"	0.50"	250 psi	1015 psi	3.0"
FBN-0600	0.38"	0.62"	250 psi	1015 psi	3.0"
FBN-0800	0.50"	0.75"	250 psi	1015 psi	5.0"
FBN-1000	0.62"	0.91"	250 psi	1015 psi	6.0"
FBN-1200	0.75"	1.03"	250 psi	1015 psi	7.0"



PART No:	HOSE SIZE
536-0104	-04
536-0106	-06
536-0108	-08
536-0110	-10
536-0112	-12

PART No:	HOSE SIZE
536-4504	-04
536-4506	-06
536-4508	-08
536-4510	-10
536-4512	-12

PART No:	HOSE SIZE
536-9004	-04
536-9006	-06
536-9008	-08
536-9010	-10
536-9012	-12

PART No:	HOSE SIZE	THREAD
351-04	-04	1/4 BSP
351-06	-06	3/8 BSP
351-08	-08	1/2 BSP
351-10	-10	5/8 BSP
351-12	-12	3/4 BSP



PART No:	HOSE SIZE	THREAD
350-04	-04	1/4 BSP
350-06	-06	3/8 BSP
350-08	-08	1/2 BSP
350-10	-10	5/8 BSP
350-12	-12	3/4 BSP

PART No:	HOSE SIZE	THREAD
7000-04	-04	1/4 BSP
7000-06	-06	3/8 BSP
7000-08	-08	1/2 BSP
7000-10	-10	5/8 BSP
7000-12	-12	3/4 BSP

PART No:	HOSE SIZE	THREAD
7001-04	-04	1/4 BSP
7001-06	-06	3/8 BSP
7001-08	-08	1/2 BSP
7001-10	-10	5/8 BSP
7001-12	-12	3/4 BSP

**JIC/AN - FITTINGS**



JIC TO JIC EQUAL

PART No:	JIC SIZE
AN815-03	-3
AN815-04	-4
AN815-06	-6
AN815-08	-8
AN815-10	-10
AN815-12	-12
AN815-16	-16



JIC EQUAL B/HEAD

PART No:	JIC SIZE
AN832-03	-3
AN832-04	-4
AN832-06	-6
AN832-08	-8
AN832-10	-10
AN832-12	-12
AN832-16	-16



JIC EQUAL MALE TEE

PART No:	JIC SIZE
AN824-03	-3
AN824-04	-4
AN824-06	-6
AN824-08	-8
AN824-10	-10
AN824-12	-12
AN824-16	-16



JIC EQUAL FEM TEE

PART No:	JIC SIZE
AN938-03	-3
AN938-04	-4
AN938-06	-6
AN938-08	-8
AN938-10	-10
AN938-12	-12
AN938-16	-16



JIC EQUAL 90°

PART No:	JIC SIZE
AN821-03	-3
AN821-04	-4
AN821-06	-6
AN821-08	-8
AN821-10	-10
AN821-12	-12
AN821-16	-16



JIC B/HEAD 90°

PART No:	JIC SIZE
AN833-03	-3
AN833-04	-4
AN833-06	-6
AN833-08	-8
AN833-10	-10
AN833-12	-12
AN833-16	-16



JIC B/HEAD TEE

PART No:	JIC SIZE
AN834-03	-3
AN834-04	-4
AN834-06	-6
AN834-08	-8
AN834-10	-10
AN834-12	-12
AN834-16	-16



JIC B/HEAD 45°

PART No:	JIC SIZE
AN837-03	-3
AN837-04	-4
AN837-06	-6
AN837-08	-8
AN837-10	-10
AN837-12	-12
AN837-16	-16



FEMALE SWIVEL

PART No:	JIC SIZE
CPL-03	-3
CPL-04	-4
CPL-06	-6
CPL-08	-8
CPL-10	-10
CPL-12	-12
CPL-16	-16



FEMALE SWIVEL 90°

PART No:	JIC SIZE
CPL-9004	-4
CPL-9006	-6
CPL-9008	-8
CPL-9010	-10
CPL-9012	-12
CPL-9016	-16



JIC CAP

PART No:	JIC SIZE
AN929-03	-3
AN929-04	-4
AN929-06	-6
AN929-08	-8
AN929-10	-10
AN929-12	-12
AN929-16	-16



JIC PLUG

PART No:	JIC SIZE
AN806-03	-3
AN806-04	-4
AN806-06	-6
AN806-08	-8
AN806-10	-10
AN806-12	-12
AN806-16	-16



JIC NUT

PART No:	JIC SIZE
AN924-03	-3
AN924-04	-4
AN924-06	-6
AN924-08	-8
AN924-10	-10
AN924-12	-12
AN924-16	-16



MALE WELD ON

PART No:	JIC SIZE
AN971-03	-3
AN971-04	-4
AN971-06	-6
AN971-08	-8
AN971-10	-10
AN971-12	-12
AN971-16	-16



FEMALE WELD ON

PART No:	JIC SIZE
AN871-03	-3
AN871-04	-4
AN871-06	-6
AN871-08	-8
AN871-10	-10
AN871-12	-12
AN871-16	-16



JIC TO JIC UNEQUAL

PART No:	JIC SIZE
919-04-03	-4 TO -3
AN919-06-03	-6 TO -3
AN919-06	-6 TO -4
AN919-10	-8 TO -4
AN919-12	-8 TO -6
AN919-13	-10 TO -4
AN919-14	-10 TO -6
AN919-15	-10 TO -8
AN919-18	-12 TO -6
AN919-19	-12 TO -8
AN919-20	-12 TO -10
AN919-22	-16 TO -10
AN919-23	-16 TO -12



JIC TO JIC MALE TO FEM

PART No:	JIC SIZE
AN894-04-03-4	-4 FEM TO -3 MALE
AN894-06-04-6	-6 FEM TO -4 MALE
AN894-06-08-6	-6 FEM TO -8 MALE
AN894-08-08-8	-8 FEM TO -6 MALE
AN894-10-06-10	-10 FEM TO -6 MALE
AN894-10-08-10	-10 FEM TO -8 MALE
AN894-12-08-12	-12 FEM TO -8 MALE
AN894-12-10-12	-12 FEM TO -10 MALE
AN894-16-08-16	-16 FEM TO -8 MALE
AN894-16-10-16	-16 FEM TO -10 MALE
AN894-16-12-16	-16 FEM TO -12 MALE

TEE M-M-F SWIVEL

PART No:	JIC SIZE
CPL-824-03	-3
CPL-824-04	-4
CPL-824-06	-6
CPL-824-08	-8
CPL-824-10	-10
CPL-824-12	-12



TEE M-M-F SWIVEL

PART No:	JIC SIZE
CPL-826-03	-3
CPL-826-04	-4
CPL-826-06	-6
CPL-826-08	-8
CPL-826-10	-10
CPL-826-12	-12

M-F SWIVEL 45°

PART No:	JIC SIZE
CPL-823-04	-4
CPL-823-06	-6
CPL-823-08	-8
CPL-823-10	-10
CPL-823-12	-12
CPL-823-16	-16



M-F SWIVEL 90°

PART No:	JIC SIZE
CPL-903	-3
CPL-904	-4
CPL-906	-6
CPL-908	-8
CPL-910	-10
CPL-912	-12



JIC UNEQUAL LEG MALE TEE

PART No:	RUN	LEG
AN-824-06-06-08	-6	-8
AN-824-08-08-10	-8	-10
AN-824-10-10-12	-10	-12



JIC EQUAL MALE TEE

PART No:	JIC SIZE
AN827-06	-6
AN827-08	-8





**JIC TO METRIC CONCAVE/CONVEX**  
**FOR CONCAVE FITTINGS**  
**START WITH 306 OR 305**  
**FOR CONVEX**

PART No:	JIC	MET
30...-03-M12	-3	12X1.5
30...-03-M121	-3	12X1
30...-03-M16	-3	16X1.5
30...-03-M18	-3	18X1.5
30...-03-M20	-3	20X1.5
30...-03-M22	-3	22X1.5
30...-03-31	-3	10X1
30...-03-32	-3	10X1.25
30...-03-35	-3	10X1.5
30...-04-M12	-4	12X1.5
30...-04-M121	-4	12X1
30...-04-M14	-4	14X1.5
30...-04-M16	-4	16X1.5
30...-04-M18	-4	18X1.5
30...-04-M20	-4	20X1.5
30...-04-M22	-4	22X1.5
30...-04-31	-4	10X1
30...-04-32	-4	10X1.25
30...-06-31	-6	10X1
30...-06-32	-6	10X1.25
30...-06-M121	-6	12X1
30...-06-M12	-6	12X1.5
30...-06-M14	-6	14X1.5
30...-06-M16	-6	16X1.5
30...-06-M18	-6	18X1.5
30...-06-M20	-6	20X1.5
30...-08-M12	-8	12X1.5
30...-08-M14	-8	14X1.5
30...-08-M16	-8	16X1.5
30...-08-M18	-8	18X1.5
30...-08-M20	-8	20X1.5
30...-08-M22	-8	22X1.5
30...-08-M24	-8	24X1.5
30...-10-M14	-10	14X1.5
30...-10-M16	-10	16X1.5
30...-10-M18	-10	18X1.5
30...-10-M20	-10	20X1.5
30...-10-M22	-10	22X1.5
30...-10-M24	-10	24X1.5
30...-10-M26	-10	26X1.5
30...-12-M18	-12	18X1.5
30...-12-M20	-12	20X1.5
30...-12-M22	-12	22X1.5

**JIC TO NPT**

PART No:	JIC	NPT
AN816-03	-3	1/8
AN816-03-04	-3	1/4
AN816-04	-4	1/8
AN816-04-04	-4	1/4
AN816-04-06	-4	3/8
AN816-06-02	-6	1/8
AN816-06	-6	1/4
AN816-06-06	-6	3/8
AN816-06-08	-6	1/2
AN816-08	-8	1/4
AN816-08-08	-8	1/2
AN816-08-12	-8	3/4
AN816-10-06	-10	3/8
AN816-10	-10	1/2
AN816-10-12	-10	3/4
AN816-12-08	-12	1/2
AN816-12	-12	3/4
AN816-12-16	-12	1
AN816-16	-16	1



**METRIC TO METRIC**  
**UNEQUAL CONCAVE**

PART No:	MET	MET
148-31-21	10X1	8X1
148-31-M12	10X1	12X1.5
148-31-M16	10X1	16X1.5
148-31-M18	10X1	18X1.5
148-35-M12	10X1.5	12X1.5
148-M12-M14	12X1.5	14X1.5
148-M12-M16	12X1.5	16X1.5
148-M12-M18	12X1.5	18X1.5
148-M121-M18	12X1	18X1.5
148-M14-M16	14X1.5	16X1.5
148-M14-M18	14X1.5	18X1.5
148-M14-M22	14X1.5	22X1.5
148-M16-M18	16X1.5	18X1.5
148-M16-M22	16X1.5	22X1.5
148-M16-M26	16X1.5	26X1.5
148-M18-M22	18X1.5	22X1.5
148-M18-M26	18X1.5	26X1.5
148-M18-M30	18X1.5	30X1.5
148-M22-M26	22X1.5	26X1.5
148-M22-M30	22X1.5	30X1.5

**JIC TO BSP**

PART No:	JIC	BSP
741-03-03	-3	1/8
741-03-04	-4	1/8
741-03-06	-6	1/8
741-03-08	-8	1/8
741-04-03	-3	1/4
741-04-04	-4	1/4
741-04-06	-6	1/4
741-04-08	-8	1/4
741-04-10	-10	1/4
741-06-04	-4	3/8
741-06-06	-6	3/8
741-06-08	-8	3/8
741-06-10	-10	3/8
741-06-12	-12	3/8
741-08-06	-6	1/2
741-08-08	-8	1/2
741-08-10	-10	1/2
741-08-12	-12	1/2
741-12-12	-12	3/4



**BSP TO NPT**

PART No:	BSP	NPT
544-03-03	1/8	1/8
544-03-04	1/4	1/8
544-03-06	3/8	1/8
544-03-08	1/2	1/8
544-04-03	1/8	1/4
544-04-04	1/4	1/4
544-04-06	3/8	1/4
544-04-08	1/2	1/4
544-06-04	1/4	3/8
544-06-06	3/8	3/8
544-06-08	1/2	3/8
544-08-04	1/4	1/2
544-08-06	3/8	1/2
544-08-08	1/2	1/2
544-10-10	5/8	5/8
544-12-12	3/4	3/4



**JIC/NPT M/M**

PART No:	JIC	NPT
FP194	-6	1/4
FP195	-8	1/4

**JIC/NPT M/M**

PART No:	JIC	NPT
FP190	-6	1/8
FP191	-8	1/8

**METRIC TO BSP CONCAVE**

PART No:	BSP	MET
742-03-21	1/8	8X1
742-03-31	1/8	10X1
742-03-32	1/8	10X1.25
742-03-35	1/8	10X1.5
742-03-M121	1/8	12X1
742-03-M122	1/8	12X1.25
742-03-M12	1/8	12X1.5
742-03-M14	1/8	14X1.5
742-03-M16	1/8	16X1.5
742-04-31	1/4	10X1
742-04-M12	1/4	12X1.5
742-04-M121	1/4	12X1
742-04-M14	1/4	14X1.5
742-04-M16	1/4	16X1.5
742-06-M121	3/8	12X1
742-06-M122	3/8	12X1.25
742-06-M12	3/8	12X1.5
742-06-M22	3/8	22X1.5
742-08-M14	1/2	14X1.5
742-08-M16	1/2	16X1.5
742-08-M18	1/2	18X1.5
742-08-M20	1/2	20X1.5
742-10-M22	5/8	22X1.5
742-10-M24	5/8	24X1.5
742-12-M16	3/4	16X1.5



**METRIC TO BSP CONVEX**

PART No:	BSP	MET
945-03-31	1/8	10X1
945-03-32	1/8	10X1.25
945-03-35	1/8	10X1.5
945-03-M121	1/8	12X1
945-04-31	1/8	10X1

**METRIC TO METRIC**  
**EQUAL CONCAVE**

PART No:	MET
149-21	8X1
149-M12	12X1.5
149-M14	14X1.5
149-M142	14X1.25
149-M16	16X1.5
149-M161	16X1
149-M162	16X1.25
149-M18	18X1.5
149-M181	18X1
149-M20	20X1.5
149-M22	22X1.5
149-M26	26X1.5
149-M30	30X1.5



**METRIC TO BSP B/H**

PART No:	MET	BSP
946-03-31	10X1	1/8
946-03-32	10X1.25	1/8
946-03-35	10X1.5	1/8
946-04-M12	12X1.5	1/4
945-04-31	10X1	1/4

**JIC TO BSP B/H**

PART No:	JIC	BSP
743-03-03	-3	1/8
743-03-04	-4	1/8
743-04-03	-3	1/4
743-04-04	-4	1/4



**JIC TO METRIC**  
**CONVEX B/H**

PART No:	JIC	MET
307-03-31	-3	10X1
307-03-32	-3	10X1.25

**BSP TO BSP UNEQUAL**

PART No:	BSP	BSP
135-03-04	1/8	1/4
135-03-06	1/8	3/8
135-03-08	1/8	1/2
135-04-06	1/4	3/8
135-04-08	1/4	1/2
135-04-10	1/4	5/8
135-06-08	3/8	1/2
135-06-10	3/8	5/8
135-08-10	1/2	5/8
135-08-12	1/2	3/4
135-10-12	5/8	3/4

**BSP TO BSP EQUAL**

PART No:	BSP
136-03	1/8
136-04	1/4
136-06	3/8
136-08	1/2
136-10	5/8
136-12	3/4







**JIC TO NPT ON RUN**

PART No:	JIC	NPT
AN826-03	-3	1/8
AN826-04	-4	1/8
AN826-06	-6	1/4
AN826-08	-8	3/8
AN826-10	-10	1/2
AN826-12	-12	3/4



**JIC TO NPT M/M 90°**

PART No:	JIC	NPT
AN822-03	-3	1/8
AN822-04	-4	1/8
AN822-04-04	-4	1/4
AN822-06-02	-6	1/8
AN822-06	-6	1/4
AN822-06-06	-6	3/8
AN822-06-06	-6	1/2
AN822-07	-8	1/4
AN822-08	-8	3/8
AN822-08-08	-8	1/2
AN822-08-12	-8	3/4
AN822-10	-10	1/2
AN822-10-06	-10	3/8
AN822-10-12	-10	3/4
AN822-12	-12	1/2
AN822-12-08	-12	3/4



**JIC TO NPT M/M 45°**

PART No:	JIC	NPT
AN832-03	-3	1/8
AN832-04	-4	1/8
AN832-04-04	-4	1/4
AN832-06-02	-6	1/8
AN832-06	-6	1/4
AN832-06-06	-6	3/8
AN832-06-06	-6	1/2
AN832-07	-8	1/4
AN832-08	-8	3/8
AN832-08-08	-8	1/2
AN832-08-12	-8	3/4
AN832-10	-10	1/2
AN832-10-06	-10	3/8
AN832-10-12	-10	3/4
AN832-12	-12	1/2
AN832-12-08	-12	3/4



**JIC TO NPT ON LEG**

PART No:	JIC	NPT
AN825-03	-3	1/8
AN825-04	-4	1/8
AN825-06	-6	1/4
AN825-08	-8	3/8
AN825-10	-10	1/2
AN825-12	-12	3/4



**NPT FEMALE TEE**

PART No:	NPT
AN917-01	1/8
AN917-02	1/4
AN917-03	3/8
AN817-04	1/2
AN917-06	3/4
AN917-08	1



**JIC MALE BSP FEM**

PART No:	JIC	BSP
763-03-03	-3	1/8
763-03-04	-4	1/8
763-04-04	-4	1/4
763-04-06	-6	1/4
763-06-06	-6	3/8
763-06-08	-8	3/8
763-06-10	-10	3/8
763-08-06	-6	1/2
763-08-08	-8	1/2
763-08-10	-10	1/2
763-08-12	-12	1/2
763-10-08	-8	5/8
763-12-10	-10	3/4
763-12-12	-12	3/4

**FEM JIC MALE NPT**

PART No:	JIC	NPT
CPL-8164	-4	1/8
CPL-81662	-6	1/8
CPL-8166	-6	1/4
CPL-81666	-6	3/8
CPL-81610	-10	1/2



**JIC/JIC MALE/FEM WITH FEM NPT**

PART No:	JIC	NPT
FP192	-6	1/8
FP193	-8	1/8



**NPT FEM-MALE 90 DEG**

PART No:	NPT
AN914-01	1/8
AN914-02	1/4
AN914-03	3/8



**NPT FEM-MALE 45 DEG**

PART No:	NPT
AN915-01	1/8
AN915-02	1/4
AN915-03	3/8



**NPT FEMALE 90°**

PART No:	NPT
AN916-01	1/8
AN916-02	1/4
AN916-03	3/8

**BSP FEM BSP MALE**

PART No:	M-BSP	F-BSP
301-03-04	1/8	1/4
301-03-06	1/8	3/8
301-03	1/8	1/8
301-04-03	1/4	1/8
301-06-04	3/8	1/4
301-06-06	3/8	3/8
301-06-08	3/8	1/2

### GAUGE FITTINGS & SANDWICH PLATES

A sandwich plate which allows fitment of an oil pressure sender and an oil temperature sender. Supplied with 1 X 3/8BSP port and 2 X 1/8NPT ports (M10X1 optional). 2 1/8NPT blanking plugs are also supplied. Choice of 3 oil filter centre bolt threads, 5MM extended centre bolts available if required.



**\*PLEASE NOTE DIFFERENT ADAPTOR BOLTS ARE AVAILABLE FOR OTHER FILTER THREADS (5/8UNF, M16, 13/16UNF, M18, M20)**

PART No:	DESCRIPTION
SP1	MADE FROM DIE CAST ALUMINIUM, 1/2 BSP FEMALE PORTS, 3/4 UNF BOLT
OTSP1	AS ABOVE BUT WITH BUILT IN THERMOSTAT
TGASP1	MADE FROM DIE CAST ALUMINIUM, AS SP1 BUT WITH 3/8 BSP PORT FOR TEMP TAKE OFF
SP3	MADE FROM DIE CAST ALUMINIUM, 3/8 BSP FEMALE PORTS, 3/4 UNF BOLT
SP4	MADE FROM DIE CAST ALUMINIUM, 5/8 UNF FEMALE PORTS, 3/4 UNF BOLT
TOP7	MADE FROM DIE CAST ALUMINIUM, 1/2 BSP MALE PORTS, 3/4 UNF BOLT
MO 110/AB	MADE FROM BILLET ALUMINIUM, 3/4 UNF CENTRE BOLT
MO 111/AB	MADE FROM BILLET ALUMINIUM, M18X1.5 CENTRE BOLT
MO 112/AB	MADE FROM BILLET ALUMINIUM, M20X1.5 CENTRE BOLT
MO 110/B	MADE FROM BILLET ALUMINIUM, 5MM EXTENDED CENTRE BOLT 3/4 UNF
MO 111/B	MADE FROM BILLET ALUMINIUM, 5MM EXTENDED CENTRE BOLT M18X1.5
MO 112/B	MADE FROM BILLET ALUMINIUM, 5MM EXTENDED CENTRE BOLT M20X1.5

### OILSTATS/THERMOSTATS, REMOTE FILTER HEADS

PART No:	DESCRIPTION
OT/1	1/2" PUSH ON
OT/1B	3/8" PUSH ON
OT/2	5/8" PUSH ON
OT/2A	1/2" BSP FEM
OT/2B	1/2" NPT FEM
OT/2C	1/2" BSP MALE
OT/2D	5/8" BSP MALE
OT/2E	3/4" BSP MALE
OT/2F	-8 JIC MALE
OT/2G	-10 JIC MALE
OT/2H	-12 JIC MALE
OT/2J	-16 JIC MALE
OT/2K	3/4" PUSH ON



PART No:	DESCRIPTION
RFH1G	FLOWS L TO R 3/8" BSP TEMP TAKE OFF
RFH1H	FLOWS R TO L 3/8" BSP TEMP TAKE OFF
RFH1A	FLOWS L TO R 5/8" UNF TEMP TAKE OFF
RFH1B	FLOWS R TO R 5/8" UNF TEMP TAKE OFF
RFH1C	FLOWS L TO R M14 TEMP TAKE OFF
RFH1D	FLOWS R TO L M14 TEMP TAKE OFF
RFH1E	FLOWS L TO R NO TEMP TAKE OFF
RFH1F	FLOWS R TO L NO TEMP TAKE OFF

**\* ALL ABOVE HAVE 1/2" BSP FEMALE PORTS**



### HARDLINE & FITTINGS

Hardline offers excellent strength and rigidity in high pressure applications such as airjacks fuel systems and braking systems. Available in coated aluminium and stainless steel.



PART No:	HOSE SIZE	I.D	O.D	WORKING PRESSURE	BURSTING PRESSURE	MIN. BEND RADIUS	WEIGHT (KG/M)
HL836-04D	-4	6mm	8mm	1415 PSI	4248 PSI	15mm	0.591
HL836-06D	-6	8mm	10mm	1415 PSI	4248 PSI	15mm	0.591



PART No:	DESC	PART No:	DESC	PART No:	DESC	PART No:	DESC	PART No:	DESC
STRAIGHT	-	STRAIGHT	-	45 DEG	-	90 DEG	-	T-PIECES	-
HL821-04D	-4 F/SWIVEL	HL811-04D	-4 COUPLER	HL822-04D	-4 F/SWIVEL	HL823-04D	-4 F/SWIVEL	HL814-04D	-4 STND T
HL821-06D	-6 F/SWIVEL	HL811-06D	-6 COUPLER	HL822-06D	-6 F/SWIVEL	HL823-06D	-6 F/SWIVEL	HL814-06D	-6 STND T

### AIR JACKS/LANCES & CONNECTING VALVES

#### KRONTEC

Krontec easy push air lance system uses a powerless coupling process up to 40 BAR.

PART No:	DESCRIPTION
LL-03	0-40 BAR, EASY PUSH, M16 X 1.5 THREAD
LL-16	VALVE, -6 MALE WITH INTEGRATED STOP VALVE
LL-12	-6 MALE THREAD
LL-13	-6 MALE THREAD WITH STOP VALVE
LL-15	3/8 NPT THREAD
LL-16 PLUS	-6 CONNECTION VALVE WITH BOTTOM TO DOSE



FOR AP AIRJACKS PLEASE SEE PAGE: 30

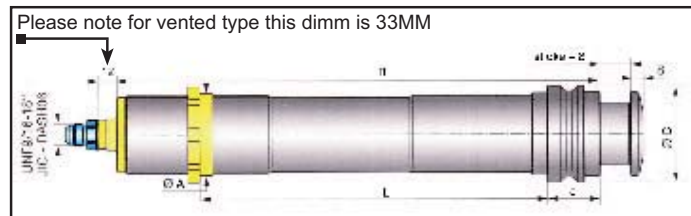
#### STAUBLI

Staubli proposes a total solution to ensure maximum performance and optimum safety during the lifting & lowering of the car, with innovative technology of no internal jack springs and a rapid acting cylinder.

PART No:	DESCRIPTION
JAC 06.1102	LANCE
JAC 06.1102/MSW	SWIVEL VERSION LANCE
JAC 06.5655	CONNECTING VALVE WITH SAFETY PLUG

OTHER STAUBLI ACCESSORIES AVAILABLE, PLEASE CALL FOR HELP

PART No:	A (mm)	B (mm)	C (mm)	LENGTH 'L' (mm)		D (mm)	STROKE (S) (mm)	TUBE DIAMETER (mm)	
				MIN.	MAX.			MIN.	MAX.
JAC 06.9050	50	312	34	190	245	62	236	54	57
JAC 06.9050/QE	50	312	34	190	245	62	236	54	57
JAC 06.9060	60	306	16	210	260	72	230	65	67
JAC 06.9060/PO	60	306	16	210	260	78	230	69	74
JAC 06.9060/QE	60	306	16	210	260	72	230	65	67



### HOSE CLIPS (STAINLESS STEEL)

PART No:	SIZE RANGE	BAND WIDTH
SGT8-12/7.5C6-W2	8-12mm	7.5mm
SGT10-16/7.5C6-W2	10-16mm	7.5mm
SGT12-20/9C6-W2	12-20mm	9mm
SGT16-25/9C6-W2	16-25mm	9mm
SGT20-32/9C6-W2	20-32mm	9mm
SGT25-40/9C6-W2	25-40mm	9mm
SGT32-50/9C6-W2	32-50mm	9mm
SGT40-60/9C6-W2	40-60mm	9mm
SGT50-70/9C6-W2	50-70mm	9mm
SGT60-80/9C6-W2	60-80mm	9mm



### PIPE CLIPS

PART No:	SIZE (I.D)
RSGU16/12	6mm
RSGU18/12	8mm
RSGU110/12	10mm
RSGU112/12	12mm
RSGU114/12	14mm
RSGU115/12	15mm
RSGU116/12	16mm
RSGU118/12	18mm
RSGU120/12	20mm



### HOSE ADAPTORS & TEMP GAUGE TAKE-OFFS

Aluminium hose adaptors fit in between two hoses with temperature gauge take-off. Available with 5/8UNF, 3/8BSP, 1/8NPT, M12x1.5 & M14x1.5 take off. Please note: for different take-offs change suffix on part number. For male take-off's to suit the hose adaptors please see table with part numbers starting HAT. Complete unit depicted below table.

PART No:	DESCRIPTION
HA25 3/8	25mm JOINER 3/8 BSP FEMALE
HA28 3/8	28mm JOINER 3/8 BSP FEMALE
HA30 3/8	30mm JOINER 3/8 BSP FEMALE
HA32 3/8	32mm JOINER 3/8 BSP FEMALE
HA38 3/8	38mm JOINER 3/8 BSP FEMALE
HA45 3/8	45mm JOINER 3/8 BSP FEMALE

PART No:	DESCRIPTION
HAT 8	3/8 BSP TO 8mm TAKE OFF
HAT 13	3/8 BSP TO 13mm TAKE OFF
HAT 16	3/8 BSP TO 16mm TAKE OFF
HAT 19	3/8 BSP TO 19mm TAKE OFF
HAT 25	3/8 BSP TO 25mm TAKE OFF

### SELF-SEALING FITTINGS

PART No:	DESCRIPTION
SST01	5mm BARBED OUTLET
SST8K	TAKE OFF KIT FOR 8mm I.D HOSE
SST13K	TAKE OFF KIT FOR 13mm I.D HOSE
SST16K	TAKE OFF KIT FOR 16mm I.D HOSE
SST25K	TAKE OFF KIT FOR 25mm I.D HOSE
SST M5	M5 INTERNAL THREAD
SST M10	M10 X 1 INTERNAL THREAD
SST M12	M12 X 1.5 INTERNAL THREAD
SST M14	M14 X 1.5 INTERNAL THREAD
SST 1/4	1/4 NPT FEMALE THREAD
SST 1/8	1/8 NPT FEMALE THREAD
SST 3/8	3/8 BSP FEMALE THREAD



### INTERCOOLER HOSE

All sizes available in 45 and 90 degree bends, simply add -45 or -90 to PART No:  
**Only the 64mm hose is available in a 180 degree bend (add-180)**

STRAIGHT SECTIONS ARE 300MM LONG

PART No:	DESCRIPTION	PART No:	DESCRIPTION
IAP 51	51mm I.D	IAP 64	64mm I.D
IAP 70	70mm I.D	IAP 76	76mm I.D
IAP 89	89mm I.D	IAP 102	102mm I.D



### HOSE JOINERS

These aluminium hose joiners are ideal where two silicon or rubber hoses need joining. All joiners from 13 to 38mm O.D are 50mm in length, joiners from 40 to 75mm O.D are 70mm in length.

PART No:	SIZE O.D	PART No:	SIZE O.D
JOI 16	16mm	JOI 40	40mm
JOI 19	19mm	JOI 48	48mm
JOI 22	22mm	JOI 50	50mm
JOI 25	25mm	JOI 54	54mm
JOI 28	28mm	JOI 57	57mm
JOI 30	30mm	JOI 63	63mm
JOI 32	32mm	JOI 68	68mm
JOI 35	35mm	JOI 70	70mm
JOI 38	38mm	JOI 75	75mm





## COOLING FANS

Revotec fans have been designed and produced as a top of the range product at a sensible price. The fans will replace existing electrical fans or original engine fans, providing increased engine cooling and reliability and uses no engine output. Advantages include: bearinged and waterproof motor, balanced blades, low profile, high output, lightweight and low noise. All are 12 volt. **NEW FOR 2009 IS A NEW RANGE OF HIGH POWER COOLING FANS; PLEASE CONTACT US FOR MORE DETAILS.**



PART No:	DIAMETER	FLOW DIRECTION
190S52	190mm (7.5")	PULLER/SUCTION
190B52	190mm (7.5")	PUSHER/BLOWING
225S52	225mm (9")	PULLER/SUCTION
225B52	225mm (9")	PUSHER/BLOWING
255S52	255mm (10")	PULLER/SUCTION
255B52	255mm (10")	PUSHER/BLOWING
280S52	280mm (11")	PULLER/SUCTION
280B52	280mm (11")	PUSHER/BLOWING
305S52	305mm (12")	PULLER/SUCTION
305B52	305mm (12")	PUSHER/BLOWING
350S52	350mm (13.8")	PULLER/SUCTION
350B52	350mm (13.8")	PUSHER/BLOWING
385S52	385mm (15.2")	PULLER/SUCTION
385B52	385mm (15.2")	PUSHER/BLOWING

## ELECTRONIC FAN CONTROLLER

Revotec have developed this simple unit using the latest technology, components and assembly methods. The controller gives a direct and rapid response to water temperature and has a control range from 70° to 120°. The unit is simple to install and is inserted in the coolant line and is adjusted by a dial on the unit. Also available to suit an **M22x1.5 threaded boss** (boss available in ally or brass). Suitable for use with all electric fans. All components are made in the UK.



PART No:	DIAMETER
EFC25	25mm
EFC28	28mm
EFC32	32mm
EFC35	35mm
EFC38	38mm
EFC45	45mm
<b>EFCM22</b>	<b>M22X1.5</b>

## DUCTING HOSE

Silicon-coated glass fabric with glass fibre cord and sprung steel spiral inside. Highly flexible and lightweight. Available in single or twin ply, -80° to 310° C. Also available in more durable black neoprene, -50° to 150° C. For black neoprene add B at the end of the part number.

**To order twin ply first 3 digits are 686 ie: 686-38 = 38mm bore twin ply.**



PART No:	SIZE	PART No:	SIZE	PART No:	SIZE
685-25	25mm I.D.	685-57	57mm I.D.	685-89	89mm I.D.
685-32	32mm I.D.	685-60	60mm I.D.	685-102	102mm I.D.
685-38	38mm I.D.	685-63	63mm I.D.	685-114	114mm I.D.
685-44	44mm I.D.	685-70	70mm I.D.	685-127	127mm I.D.
685-47	47mm I.D.	685-76	76mm I.D.	685-140	140mm I.D.
685-51	51mm I.D.	685-80	80mm I.D.	685-152	152mm I.D.
685-55	55mm I.D.	685-83	83mm I.D.	685-178	178mm I.D.

## AIR INTAKE DUCTS

PART No:	SIZE
ID145	ROUND FITS 180mm HEADLAMP/SPOTLIGHT. SUITS 63mm HOSE
ID150-75	RECTANGULAR FITS 150mm X 76mm OPENING FOR 63/76mm HOSE
ID152-51	RECTANGULAR FITS 152mm X 51mm OPENING FOR 51mm HOSE
ID152-51OS	AS ABOVE, WITH OFFSET OUTLET
ID255-80	RECTANGULAR FITS 255mm X 80mm OPENING FOR 63/76mm HOSE
IDS1B	NACA STYLE LOW DRAG BLACK FOR 51/63mm HOSE
IDS1C	NACA STYLE LOW DRAG CLEAR FOR 51/63mm HOSE
IDS2B	NACA STYLE LOW DRAG BLACK FOR 63/76mm HOSE
IDS2C	NACA STYLE LOW DRAG CLEAR FOR 63/76mm HOSE



## JOINING SLEEVES

Used to join ducting to ducts. Supplied in pairs. Adhesive lined to give a strong, neat, light, waterproof and vibration proof join. Shrink ratio of 3:1 ie. JS90 reduces to 30mm.

PART No:	SIZE
JS70	70mm
JS90	90mm
JS122	122mm

## OUTLET DUCTS

Spun aluminium outlet for maximum air flow. 15mm mounting flange.

PART No:	HOSE
AO51	51mm
AO63	63mm
AO76	76mm



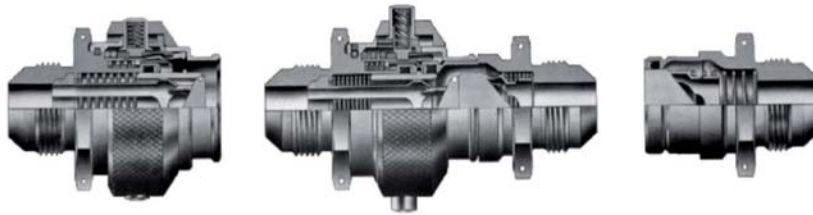
**RADIATOR CAPS & NECKS**

PART No:	DESCRIPTION
11330	16 LBS LEVER TYPE RAD CAP
10361	MOTORCYCLE RACING RAD CAP 19-22 LBS
10362	MOTORCYCLE RACING RAD CAP 22-24 LBS
10371	RACING RAD CAP 18-22 LBS
10372	RACING RAD CAP 22-24 LBS
10373	RACING RAD CAP 28-32 LBS
10381	RACING RAD CAP LEVER TYPE 18-22 LBS
10382	RACING RAD CAP LEVER TYPE 21-25 LBS
10391	RACING RAD CAP OCTAGON 18-22 LBS
10392	RACING RAD CAP OCTAGON 21-25 LBS
RAD NEC	1/4" DRAIN PIPE, TAKES STD EURO PRESSURE CAP "READY TO WELD"
RAD NEC 3/8	AS ABOVE BUT WITH 3/8" DRAIN PIPE
RAD NEC1	SAME AS "RAD NEC" BUT FOR STD MOTORCYCLE CAP



**SYMETRICS DRY BREAK COUPLINGS**

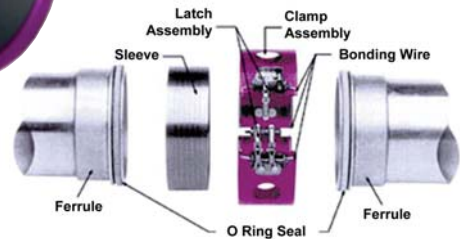
These aerospace lightweight couplings are used almost exclusively in Formula 1 and comply with FIA regulations. Symetrics are available in stainless steel, aluminium and titanium.



**WIGGINS COUPLINGS**

Wiggins couplings are an aerospace product designed to connect two components together via a tube to ensure a reliable liquid transfer from one to the other. The couplings are supplied with the sleeve but the ferrules and o-rings are supplied separately.

PART No:	SIZE	WIDTH	O.D	I.D	FERRULE	O-RING
W991-8DE	-8	18.77mm	21.62mm	20.35mm	W903B08D	S991-08DE
W991-10DE	-10	18.77mm	24.79mm	21.92mm	W903B10D	S991-10DE
W991-12DE	-12	21.06mm	29.36mm	24.23mm	W903B12D	S991-12DE
W991-16DE	-16	23.44mm	36.37mm	27.71mm	W903B16D	S991-16DE
W991-20DE	-20	23.44mm	42.72mm	30.89mm	W903B20D	S991-20DE
W991-24DE	-24	23.44mm	49.58mm	34.32mm	W903B24D	S991-24DE
W991-28DE	-28	23.44mm	56.16mm	37.62mm	W903B28D	S991-28DE



**ELECTRIC WATER PUMPS**

The revolutionary, Australian designed, EWP pumps are made from anti-corrosive, lightweight, glass-filled nylon. The EWP is a performance accessory that improves engine cooling control and capacity while giving you more power and improved fuel economy. Old mechanical, belt driven water pumps run directly off the motor and sap power, while the EWP is hard wired into the electrical system. The EWP is universal and fits almost every vehicle. Included in the kit is everything you need to fit it to your vehicle.

PART No:	DESCRIPTION
EWP80	MAX FLOW RATE OF 80 LITRES/MIN, SUITABLE FOR CARS WITH ENGINE CAPACITY UP TO 5 LITRES
EWP110	MAX FLOW RATE OF 110 LITRES/MIN, THIS PUMP IS SUITABLE FOR LARGER HIGH PERFORMANCE ENGINES AND 4WD
EBP	ELECTRIC BOOST PUMP, MAX FLOW RATE OF 13 LITRES/MIN, ALL THE BENEFITS OF THE EWP
EWPC2	ELECTRIC CONTROLLER FOR EWP PUMPS OPERATES BETWEEN -20 & 60 DEG C



Staubli quick release connectors are for all fluids and all types of Motorsport. Staubli dry break couplings are durable, compact & lightweight and have a non-spill connection. EPDM seals are suitable for brake and clutch fluid, viton seals are used for petrol, oil and water.

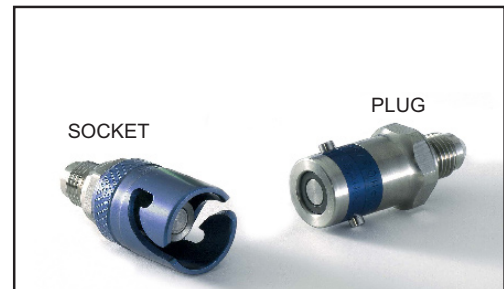
## SPH-NON SPILL BAYONET COUPLING

### APPLICATIONS:

- Brake fluids for brake circuits and clutch systems
- Hydraulic fluids
- Shock absorber fluids
- Lubricating oil
- Fuel
- Coolants
- Compressed nitrogen / air



PART No:	DESCRIPTION
SPH 03.1652/BA/L/KR/JE	-3 MALE THREAD SOCKET, 3mm FLOW, EPDM SEAL, RED BODY
SPH 03.7652/BA/L/KR/JE	-3 MALE THREAD PLUG, 3MM FLOW, EPDM SEAL, RED BODY
SPH 05.1653/BA/L/KR/JE	-4 MALE THREAD SOCKET, 5MM FLOW, EPDM SEAL, RED BODY
SPH 05.7657/BA/L/KR/JE	-4 MALE THREAD PLUG, 5MM FLOW, EPDM SEAL, RED BODY
SPH 08.1655/BA/L/KJ/JV	-6 MALE THREAD SOCKET, 8MM FLOW, VITON SEAL, YELLOW BODY
SPH 08.7655/BA/L/KJ/JV	-6 MALE THREAD PLUG, 8MM FLOW, VITON SEAL, YELLOW BODY
SPH 08.1656/BA/L/KJ/JV	-8 MALE THREAD SOCKET, 8MM FLOW, VITON SEAL, YELLOW BODY
SPH 08.7656/BA/L/KJ/JV	-8 MALE THREAD PLUG, 8MM FLOW, VITON SEAL, YELLOW BODY



ALL THE ABOVE ARE CONSTRUCTED OUT OF ALUMINIUM, ALSO AVAILABLE IN PANEL MOUNT AND TITANIUM FINISH

## SPT-NON SPILL Q/R COUPLING

### APPLICATIONS:

- FUEL FILLING LINE
- FUEL SAMPLING
- FUEL VENTING LINE
- FUEL LINE SAFETY BREAK AWAY



PART No:	DESCRIPTION
SPT 05.1808/L/JL/RG	8MM PUSH FIT TAIL SOCKET, VITON SEAL, 5MM FLOW
SPT 05.7808/L/JV/RG	8MM PUSH FIT TAIL PLUG, VITON SEAL, 5MM FLOW
SPT 08.1655/L/JV*	-6 MALE THREAD SOCKET, VITON SEAL, 8MM FLOW
SPT 08.1656/L/JV*	-8 MALE THREAD SOCKET, VITON SEAL, 8MM FLOW
SPT 08.3655/L/JV*	-6 MALE THREAD SOCKET, VITON SEAL, 8MM FLOW WITH SAFETY BREAK AWAY LANYARD
SPT 08.3656/L/JV*	-8 MALE THREAD SOCKET, VITON SEAL, 8MM FLOW WITH SAFETY BREAK AWAY LANYARD
SPT 08.7655/L/JV*	-6 MALE THREAD PLUG, VITON SEAL, 8MM FLOW WITH RUBBER DUST CAP
SPT 08.7656/L/JV*	-8 MALE THREAD PLUG, VITON SEAL, 8MM FLOW WITH RUBBER DUST CAP
SPT 08.7655/L/JV/BM	-6 MALE THREAD PLUG, VITON SEAL, 8MM FLOW WITH ALUMINIUM DUST CAP (FUEL SAMPLING)
SPT 12.1658/L/JV	-12 MALE THREAD SOCKET, VITON SEAL, 12MM FLOW
SPT 12.7658/L/JV	-12 MALE THREAD PLUG, VITON SEAL, 12MM FLOW
N 009 162 98	NON THREADED PLUG

\* = AVAILABLE WITH BIO ETHANOL SEALS, ALL UNITS COME IN RED HIGH STRENGTH ALUMINIUM

## HIGH PERFORMANCE Q/R COUPLING: CBR

### APPLICATIONS

- Hydraulic lines connecting
- Brake lines connecting
- Bleed of hydraulic lines
- Bleed of break lines, calipers, clutches
- Nitrogen recharging of dampers

### FEATURES

The CBR Q/R coupling is made from a high quality titanium, making this a very light weight and compact design, ensuring high reliability under race conditions. The bayonet style locking system makes this product both easy and quick to use as well as extremely durable and reliable. The design of the CBR removes human error in the form of thread stripping and/or over/under tightening, there is also no air ingress or fluid loss, as well as no fluid contamination as the plug is always tightened. Typical applications include: GT, F3, GP2, LMS, BSB, WSB, MOTO GP

**ALSO AVAILABLE IN TITANIUM FINISH**







### EXHAUST INSULATING WRAP

The original exhaust wrap, developed to create more horsepower and reduce under-bonnet temperatures. Withstands temperatures up to 2000°F, contains no asbestos. Also available in black. Generation II Copper Wrap has improved heat resistance by up to 30%.

### HI-HEAT COATING

This coating protects the Exhaust Insulating Wrap from abrasion and harmful liquid spills. Extra resins and binders toughen the surface, help extend the life of the wrap by protecting it from friction, and seal the pores to minimize the penetration of harmful liquids.

### SNAP STRAP

The new, improved Snap Strap comes in pre-cut lengths. The stainless steel Snap Straps resist high temperatures and secure Exhaust Insulating Wrap.

### THERMO SLEEVE

Provides protection from radiant heat for hoses and wires, reflecting over 90% of heat. The sleeve is also fireproof and oil resistant.

### ADHESIVE BACKED HEAT BARRIER

The adhesive backed heat barrier protects parts and components from radiant heat. It can be used to protect painted surfaces, plastic parts or any component from the damaging effects of radiant heat. Withstands temperatures up to 2000°F.

### ALUMINIZED HEAT BARRIER

Made up of woven silica with a flexible aluminized finish. Resists temperatures up to 2000°F. Installed using rivets, weather-proof tape or Snap Straps.

### HEAT RESISTANT GLASS CLOTH

Similar construction to Thermo-Tec Aluminized heat barrier. Available by the meter

### TURBO INSULATING KIT

The Turbo Insulating Kit is designed to protect, improve performance and eliminate turbo lag.

### EXHAUST JACKET

The new quick wrap high velocity exhaust jacket is an innovative way to insulate and block radiant heat. The jacket covers the tubes vertically which allows for a consistent fit and for the exhaust to expand.

### BATTERY HEAT BARRIER

The World's only acid neutralizing heat barrier mat. Reflects over 90% of radiant heat, traps and neutralizes battery acid, recyclable, protects against corrosion.

### EXHAUST/CAT HEAT SHIELD

Made up of woven silica with a flexible mylar finish. Used to reflect radiant heat away from the underside of the car.

PART No:	DESCRIPTION
11001	1" X 50" WHITE
11002	2" X 50" WHITE
11151	1" X 15" WHITE
11021	2" X 15" WHITE
11022	1" X 50" BLACK
11153	2" X 50" BLACK
11154	1" X 15" BLACK
11031	1" X 50" COPPER
11032	2" X 50" COPPER

PART No:	DESCRIPTION
12001	HI-HEAT COATING BLACK
12002	HI-HEAT COATING SILVER

PART No:	DESCRIPTION
13101	8 X 9" STRAPS & 4 X 18" STRAPS
13105	6 X 9" STRAPS & 4 X 18" STRAPS
13150	12 X 9" STRAPS
13160	6 X 18" STRAPS

PART No:	DESCRIPTION
14005	0.25" TO 0.5" X 3' LONG
14010	0.625" TO 1" X 3' LONG
14015	1.125" TO 1.5" X 3' LONG
14020	1.625" TO 2" X 3' LONG
14025	2.125" TO 2.5" X 3' LONG

PART No:	DESCRIPTION
13500	12" X 12"
13575	12" X 24"
13585	24" X 36"
13590	24" X 48"

PART No:	DESCRIPTION
14001	40" X 36"

PART No:	DESCRIPTION
GLA CLO.7	1M WIDE 0.7mm THICK
GLA CLO.18	1M WIDE 1.8mm THICK

PART No:	DESCRIPTION
15001	4 CYLINDER TURBO KIT
15002	6-8 CYLINDER TURBO KIT

PART No:	DESCRIPTION
11246	4-6 CYLINDER JACKET
11248	8 CYLINDER JACKET

PART No:	DESCRIPTION
13200	BATTERY BARRIER 8" X 40"

PART No:	DESCRIPTION
16500	40" X 24"





**THERMO SHIELD TAPE**

Thermo shield tape protects hoses and wires from radiant heat and is particularly useful where it is not possible to disconnect one end of the hose or wire.

PART No:	DESCRIPTION
14002	1.5" X 50'



**COMPETITION FLOOR INSULATING MAT**

The Ultra-Lite Insulating Mat was designed with the racer in mind. It is made of a highly textured aluminium composite surface on one side, with a high-temp silica felt centre and a durable mylar composite facing.

PART No:	DESCRIPTION
16510	8" X 12"
16520	10" X 18"
16530	18" X 18"



**STARTER HEAT SHIELD**

A non-conductive strap-on heat shield with a highly reflective mylar surface. Starters take in a lot of heat which damages the windings of the starter and solenoid. The Shield will reflect 90% of radiant heat, adding life to the starter and ensuring reliable starts

PART No:	DESCRIPTION
14150	7" X 22"



**GOLD FOIL**

A self adhesive Gold foil, ideal for reflecting heat away from sensitive areas. Supplied per foot.

PART No:	DESCRIPTION
132002	SELF ADHESIVE GOLD FOIL SHEET, 12' X 27"



**INSULATING PRODUCTS**

**TECHFLEX SLEEVING**

Techflex has been engineering and manufacturing a wide range of braided sleeving products since 1963.\*The **FIREFLEX** and **INSULTHERM** are available per metre.

Stable to 500°F, **Fireflex** is designed to contain radiant exhaust and coolant heat within pipes and hoses to prevent damage to nearby components. Cut and abrasion resistant. Halogen and asbestos free. Resists fuel and engine chemicals.

PART No:	PRODUCT	NOMINAL SIZE
FIN0.38	FIREFLEX	3/8"
FIN0.50	FIREFLEX	1/2"
FIN0.63	FIREFLEX	5/8"
FIN0.75	FIREFLEX	3/4"
FIN0.88	FIREFLEX	7/8"
FIN1.00	FIREFLEX	1"
FIN1.50	FIREFLEX	1 1/2"
FIN2.00	FIREFLEX	2"
FIN2.38	FIREFLEX	2 3/8"
FIN2.88	FIREFLEX	2 7/8"
FGN0.38	INSULTHERM	3/8"
FGN0.50	INSULTHERM	1/2"
FGN0.63	INSULTHERM	5/8"
FGN0.75	INSULTHERM	3/4"
FGN0.88	INSULTHERM	7/8"
FGN1.00	INSULTHERM	1"



Silicone Jacketed Fiberglass Resists Heat, Abrasion & Moisture



Resin Coated Fiberglass Protects to 1,200° F.

**Insultherm** is used to protect wires, cables and hoses from extreme and continuous high temperatures (up to 1200°F). Constructed from resin coated heavy weighted braided fiberglass which will not burn, melt or become brittle. Can be used to deflect or retain heat. Cut and abrasion resistant, asbestos free, and resists fuel and engine chemicals.



**CARBON FIBRE PANELS AND SHEETS**

**CARBON FIBRE PANELS:-**

Clear resin carbon fibre laid up in flat sheets, suitable for dash panels, door cards, infills etc. Any sizes up to 950mm x 1950mm.

**MUDFLAP MATERIAL:-**

Flexible carbonfibre available 610mm x 1220mm, 300mm x 430mm and 250mm x300mm.

**SELF ADHESIVE CARBON SHEET:-**

Flexible carbon with a self adhesive backing available in any size or in the following sizes; 1220mm x 1220mm, 1000mm x 1250mm, 250mm x 500mm, 280mm x 380mm, 240mm x 380mm and 305mm x 305mm



## AP RACING INTRODUCTION

E-TECH racing is privileged to be AP distributor.

The AP range of products is too large for everything to be listed so please contact E-TECH racing for a price or information on any AP Racing product not listed.

## MASTER CYLINDERS

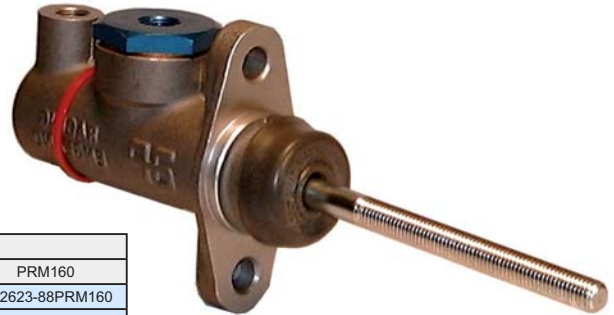
AP Racing's master cylinders are all non integral and triple cut-off. Most have push rods, some have the new pull type. The push rods are available in 5/16" UNF and M8x1.25. Other options include short body, metric hydraulic ports, different angle mounting flange and also bulkhead mounting. Bores include 14mm, 15mm, 5/8", 16.8mm, .70", 3/4", 13/16", 7/8", 15/16" and 1". The CP2623 is listed here in detail as this is one of the most popular cylinders. For further information on the full range of AP Racing master cylinders, including those not listed here, please contact E-TECH racing.

### CP2623

A compact master cylinder suitable for all brake and clutch applications, especially where space is restricted. Short travel to cut-off standard, extra short available to order. Aluminium alloy body with vertical flange mounting. Usually available off the shelf. Note: This master cylinder is also available with metric hydraulic threads (part number: CP5623) or a 60° offset mounting flange (part number: CP4623).

#### Technical Details

Weight:	0.3Kg (0.66lbs)
Full Stroke:	25.4mm (1.000")
Travel to cut-off:	Short: 0.68mm to 1.09mm Ex. Short: 0.48mm to 0.63mm
Hydraulic threads:	Outlet: 3/8" x 24 UNF Inlet: 7/16" x 20 UNF
Push Rod threads:	PRM: M8 x 1.25 PRT: 5/16" UNF
Push Rod length from:	PRM/PRT115: 115mm (4.53") PRM/PRT160: 160mm (6.30")



BORE	PART No:			
	PRT115	PRT160	PRM115	PRM160
14.0mm	CP2623-88PRT115	CP2623-88PRT160	CP2623-88PRM115	CP2623-88PRM160
15.0mm	CP2623-89PRT115	CP2623-89PRT160	CP2623-89PRM115	CP2623-89PRM160
15.9mm (0.625) 5/8"	CP2623-90PRT115	CP2623-90PRT160	CP2623-90PRM115	CP2623-90PRM160
16.8mm	CP2623-905PRT115	CP2623-905PRT160	CP2623-905PRM115	CP2623-905PRM160
17.8mm (0.700")	CP2623-91PRT115	CP2623-91PRT160	CP2623-91PRM115	CP2623-91PRM160
19.1mm (0.750") 3/4"	CP2623-92PRT115	CP2623-92PRT160	CP2623-92PRM115	CP2623-92PRM160
20.6mm (0.812") 13/16"	CP2623-93PRT115	CP2623-93PRT160	CP2623-93PRM115	CP2623-93PRM160
22.2mm (0.875") 7/8"	CP2623-94PRT115	CP2623-94PRT160	CP2623-94PRM115	CP2623-94PRM160
23.8mm (0.937") 15/16"	CP2623-95PRT115	CP2623-95PRT160	CP2623-95PRM115	CP2623-95PRM160
25.4mm (1.000")	CP2623-96PRT115	CP2623-96PRT160	CP2623-96PRM115	CP2623-96PRM160

NOTE: For extra short cut-off, please add 'E' Suffix to the end of part numbers given above. e.g. CP2623-94PRT115E  
NOTE: For non captive, please add 'NC' Suffix to the end of part numbers given above. e.g. CP2623-94NC

### CP6093

Replaces CP2293, more compact design with reduction in overall length. Suitable for most brake and particularly clutch applications. Full 31.75mm (1.25") stroke across all bore sizes. Short travel to cut-off standard. Flange mounted aluminium alloy body. Non captive cylinders available. Imperial hydraulic threads.



### CP4400

A compact master cylinder which has been designed with a 'centre lock' bulkhead fixing (10mm to 22mm max) to meet the installation requirements of composite structure racing cars. The inlet and the outlet ports are positioned at the end of the master cylinder away from the bulkhead to provide clearance for steering racks etc, where required. Imperial hydraulic threads.



## REPAIR KITS

Universal repair kits for all of the above master cylinders.

PART No:	DESCRIPTION	PART No:	DESCRIPTION	PART No:	DESCRIPTION
CP2641-13RK	14mm KIT	CP2641-16RK	17.8mm (0.7") KIT	CP2641-19RK	22.2mm (0.875") KIT
CP2641-14RK	15mm KIT	CP2641-17RK	19.1mm (0.75") KIT	CP2641-20RK	23.8mm (0.937") KIT
CP2641-15RK	15.9mm KIT	CP2641-18RK	20.6mm (0.812") KIT	CP2641-21RK	25.4mm (1.0") KIT





**BRAKE FLUID**

AP Racing Brake Fluids have been developed specifically for use under arduous conditions encountered at the highest levels of motorsport. All AP Racing brake fluids are Polyalkalene Glycol Ether-based, not silicone-based. AP Racing does not recommend the use of silicone-based fluid with any of its products.

**PRF660**

Dry Boiling Point: 320°C  
Wet Boiling Point: 199°C

PRF660 has advanced moisture resistance properties, low levels of viscosity (for ease of bleeding), low levels of compressibility and meets DOT4 specifications. PRF660 is suitable for all top levels of motorsport where abnormal temperatures are experienced.

**PART No:** PRF660



**600**

Dry Boiling Point: 300°C  
Wet Boiling Point: 210°C

600 fluid has been designed for racing applications where there are high temperatures, such as when using carbon discs.

**PART No:** AP600



**FORMULA DOT 5.1**

Dry Boiling Point: 260°C  
Wet Boiling Point: 184°C

Formula DOT 5.1 is a high performance non silicone based brake and clutch fluid. It is recommended for use in the hydraulic brake and clutch systems of all cars, for which a non petroleum based fluid is specified. Suitable for high performance applications including vehicles fitted with ABS and ESP. Suitable for road and track day use.

**PART No:** DOT5.1

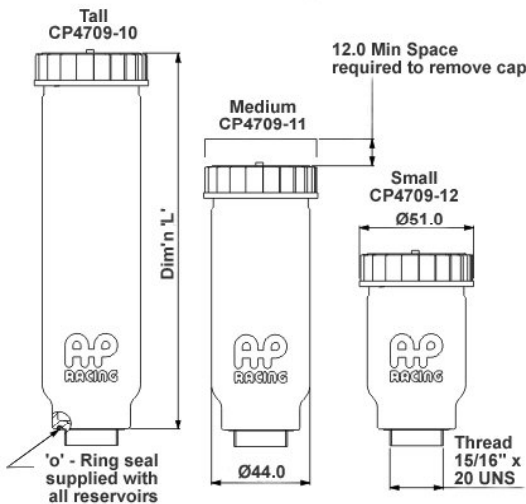


**551**

Dry Boiling Point: 275°C  
Wet Boiling Point: 150°C

551 fluid is suitable for all forms of motorsport and conforms to FMVSS 116 DOT3 specification. 551 is magnesium compatible but has a higher boiling point than normal brake fluids intended for road use.

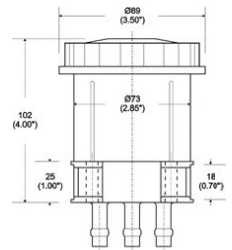
**PART No:** AP551



**CP2293-69/-85 & 4342-355/-372**

Large capacity remote reservoir with either 1 or 2 outlets. Accepts 5/16" hose. Volume: 280cm3. Supplied with cap and with or without diaphragm.

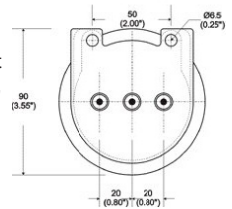
PART No.	OUTLETS	DIAPHRAGM
CP2293-69	1 (B)	YES
4342-372	1 (B)	NO
CP2293-85	2 (A & C)	YES
4342-355	1 (A & C)	NO



**CP2293-162/-163**

Two extra large capacity reservoirs with central or offset outlet, 7/16UNF. Volume: 340cm3. Supplied with cap, adaptor and diaphragm.

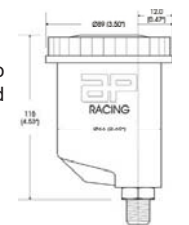
PART No.	DESCRIPTION
CP2293-162	OFFSET OUTLET
CP2293-163	CENTRAL OUTLET



**CP2293-141/-143 & CP4623-7/-8**

Large capacity reservoir with offset outlet for fitment direct to master cylinder. Supplied complete with cap and adaptor, and with or without diaphragm. Volume: 275cm3.

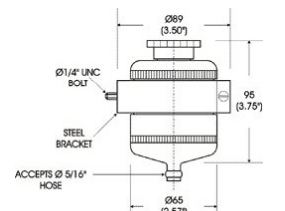
PART No.	THREAD	DIAPHRAGM
CP2293-143	7/16UNF	YES
CP4623-7	M12 X 1.0	YES
CP2293-141	7/16UNF	NO
CP4623-8	M12 X 1.0	NO



PART No.	TYPE	VOLUME (cm3)	DIM. 'L' (mm)	THREAD
CP4709-10	TALL	183	169	15/16" x 20UNS
CP4709-11	MEDIUM	123	119	15/16" x 20UNS
CP4709-12	SHORT	75	79	15/16" x 20UNS
CP4709-13	SHORT	75	96	7/16" x 20UNF
CP4709-14	MEDIUM	123	136	7/16" x 20UNF
CP4709-15	TALL	183	186	7/16" x 20UNF
CP4709-16	SHORT	75	96	M12 x 1.0
CP4709-17	MEDIUM	123	136	M12 x 1.0

**CP5709-10**

Remote reservoir. Accepts 5/16" hose. Complete with cap and mounting bracket. Volume: 185cm3.

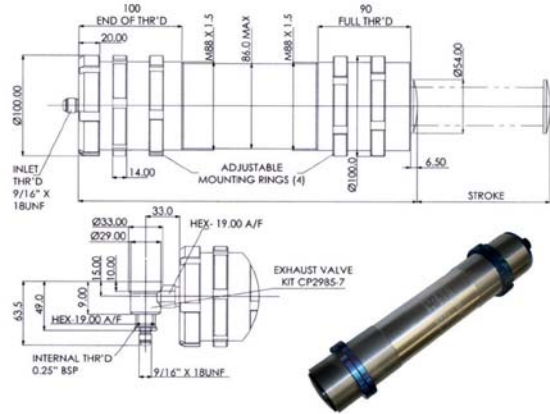




## AIRJACKS

AP Racing's pneumatic Air Jacks are designed to be lightweight and reliable. They are available in different size and stroke configurations to suit the widest possible range of lift heights and vehicle weights. A range of accessories including exhaust valves, safety props, lances and connectors is available.

PART No:	BORE(mm)	STROKE(mm)	LIFT(KG) @ 20 BAR	WEIGHT(KG)
CP2985-1	54	230	467	1.3
CP2985-10	54	168	467	1.1
CP2985-15	54	310	467	1.6
CP2985-25	54	153	467	1
CP2995-1	79	230	1000	1.9
CP2995-14EV	79	265	1000	N/A
CP3985 FAST AIRJACK				
CP3985-13EV	54	130	675	0.85
CP3985-15EV	54	150	675	0.88
CP3985-19EV	54	190	675	1
IF YOU REQUIRE EXHAUST VALVE ADD EV TO PART No:				



## PROPORTIONING VALVES

AP proportioning valves have been specifically designed for use in competition vehicles where it is desired to reduce the hydraulic line pressure and therefore braking effort of the rear brakes to compensate for varying track conditions or vehicle handling characteristics.



## CLUTCHES

With over 500 F1 clutch victories and many of today's F1 teams using AP clutches, they are without question the best on the market. Clutches are available in steel, alloy and carbon, and with push or pull release mechanisms. Sizes range between 115mm(4 1/2") and 215mm(8 1/2"). Clutches come without drive plates, which are available in sintered or cerametallic material. Flywheel fixing bolts and release bearings are available, for information on carbon clutches please contact E-TECH racing.

SERIES No.	CLUTCH DESCRIPTION						
	CLUTCH DIA. (mm)	No. OF DRIVEN PLATES	CLUTCH ACTUATION TYPE	SINTERED/ CERAMETALLIC	DRIVE TYPE	No. OF FIXING BOLTS	P / PLATE RATIO
CP6174	115	4	PULL	SINTERED	LUG	10	EHR
CP6073	115	3	PUSH	SINTERED	LUG	10	EHR
CP6074	115	4	PUSH	SINTERED	LUG	10	EHR
CP6001	140	1	PUSH	SINTERED	LUG	8	HiR
CP6002	140	2	PUSH	SINTERED	LUG	8	HiR
CP6003	140	3	PUSH	SINTERED	LUG	8	HiR
CP6092	140	2	PUSH	BONDED	LUG	8	HiR
CP6013	140	3	PUSH	SINTERED	LUG	8	HiR
CP6014	140	4	PUSH	SINTERED	LUG	8	HiR
CP2116	184	1	PUSH	SINTERED	A RING	6	HiR
CP7371	184	1	PUSH	SINTERED	LUG	6	EHR
CP7381	184	1	PUSH	CERAMETALLIC	LUG	6	EHR
CP2125	184	2	PUSH	SINTERED	A RING	6	HiR
CP2606	184	2	PUSH	CERAMETALLIC	A RING	6	HiR
CP7372	184	2	PUSH	SINTERED	LUG	6	EHR
CP7382	184	2	PUSH	CERAMETALLIC	LUG	6	HiR
CP7492	184	2	PULL	SINTERED	LUG	6	EHR
CP7392	184	2	PUSH	CERAMETALLIC	LUG	6	HiR
CP2817	184	3	PUSH	SINTERED	A RING	12	HiR
CP7373	184	3	PUSH	SINTERED	LUG	6	EHR
CP3745	200	1	PUSH	CERAMETALLIC	LUG	6	HiR
CP3871	200	1	PUSH	CERAMETALLIC	LUG	6	HiR
CP4560	200	1	PUSH	CERAMETALLIC	LUG	6	HiR
CP5241	215	1	PUSH	CERAMETALLIC	LUG	6	LoR
CP5242	215	2	PUSH	CERAMETALLIC	LUG	6	LoR



CP2125. 184MM 2 PLATE A-RING, SINTERED



CP6002. 140MM 2 PLATE LUG TYPE, SINTERED

## DRIVE PLATES

AP Racing have a comprehensive range of drive plates available. For more information or help choosing the correct driven plate for you clutch please contact E-TECH racing.



**CALIPERS**

AP has the most comprehensive racing brake caliper range available and can offer calipers for every category of motorsport. The alloy calipers range from 2 piston to 6 piston. All AP calipers and caliper spares are available from E-TECH racing.

**HISTORIC CALIPERS**

AP Racing's obsolete range of calipers has been reintroduced due to the demand of historic racers. Please contact E-TECH Racing for more details on the calipers available.



**REPLACEMENT CALIPER SEAL KITS**

AP recommend that caliper seals are replaced regularly. For help choosing the correct seals please contact E-TECH racing. Each kit contains a caliper set of seals.

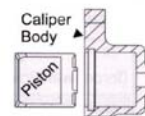
Caliper Bore identification Letters and Size Reference (mm)

A	B	C	D	E	F	G	H	J	K	L	M	M
25.4	26.0	27.0	28.6	31.8	34.0	34.9	36.0	38.1	41.3	44.5	47.6	50.8

**FORMULATING A PART No:**

CP4518-J = seal in bore, 2 piston caliper with two 38.1mm seals  
 CP4518-JJ = Seal in bore, 4 piston caliper with 4 x 38.1mm seals  
 CP4509-EJ = seal on piston, 4 piston caliper with 2 x 31.8mm and 2 x 38.1mm seals. (each letter is two seals)

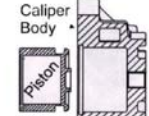
CP4518 - Seal in Bore.



CP4519 - Seal in Bore with Dirt Seal.

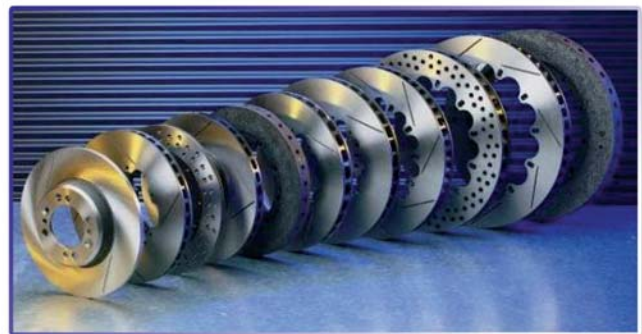


CP4509 - Seal on Piston



**DISCS**

AP solid and vented brake discs are available in a range of sizes from 248mm to 400mm diameter, with many mounting and ventilation options and face types. Some are available with integral bell. Discs are available in steel, alloy & carbon. For more information on the discs available or help choosing the correct discs or mounting kit please contact E-TECH racing.



**COMPETITION / PERFORMANCE BRAKE AND CLUTCH KITS**

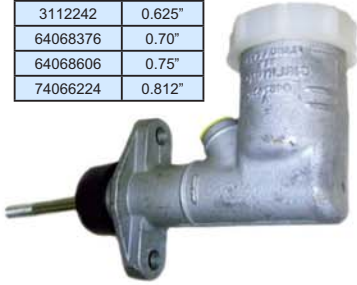
AP Racing's range of competition and performance kits is available to fit off-the-shelf straight onto most cars. The brake kits include discs/bells, calipers, mounts, pads, hoses and fluid. The brake kits reduce fade dramatically and are ideal for track days etc. The clutch kits include clutch cover and plates, drive plates (with organic or cerametallic friction pads) and release bearings. Please call for details and prices.







INTEGRAL M/CYL	
PART No:	BORE
3112242	0.625"
64068376	0.70"
64068606	0.75"
74066224	0.812"



NON-INTEGRAL M/CYL	
PART No:	BORE
64067651	0.625"
64067884	0.70"
64067620	0.75"
74066223	0.812"



LARGE-INTEGRAL M/CYL	
PART No:	BORE
64068016	0.625"
64068325	0.70"
64067623	0.75"



SLAVE CYLINDERS	
PART No:	DESCRIPTION
64068897	0.875" FOR HEWLAND FG G/BOX, L/H MTG
74066213	0.875" FOR HEWLAND Mk9/FT G/BOX, R/H MTG
3010205	0.875" UNIVERSAL MTG
64067950	0.875" FOR FORD MEXICO, CIRCLIP FIXING
64067506	0.75" FOR FORD MEXICO, R/H MTG
3010224	0.875" FOR COBRA/TIGER/ASTON MARTIN
74066543	0.875" WITH PRE-LOAD FOR COSWORTH 4X4, FLANGE KIT



REPAIR KITS	
PART No:	DESCRIPTION
SP1963	FOR 0.625 M/CYL
SP2102	FOR 0.70 M/CYL
SP1967	FOR 0.75 M/CYL
SP1996	FOR 0.875 M/CYL
SP2001	FOR 0.75 S/CYL
SP2029	FOR 0.875 S/CYL
SP2204	FOR 'MEXICO' S/CYL



PUSHRODS	
PART No:	DESCRIPTION
64670851	P/ROD 2.68" O/ALL .875" THREAD 5/16 UNF
64670848	P/ROD 3.28" O/ALL 1.25" THREAD 5/16 UNF
64670860	P/ROD 3.69" O/ALL 1.75" THREAD 5/16 UNF
64676946	P/ROD 4.59" O/ALL 1.50" THREAD 5/16 UNF
64677154	P/ROD 5.72" O/ALL 1.75" THREAD 5/16 UNF
74660421	P/ROD 90MM O/ALL 35MM THREAD M8 X 1.25
PB000082	P/ROD 6.00" O/ALL 4.00" THREAD 5/16 UNF

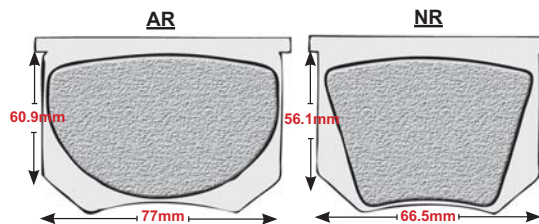


RESERVOIRS & ACCESSORIES	
PART No:	DESCRIPTION
64047341	M/CYL RESERVOIR STANDARD (OFFSET)
64046158	M/CYL RESERVOIR LARGE
64473143	REPLACEMENT SMALL ALLOY CAP
64473019	REPLACEMENT LARGE ALLOY CAP
PB000191	TANDEM WITH FLUID WARNING INDICATOR
PB000192	SINGLE WITH FLUID WARNING INDICATOR
PB000039	DIRECT FITMENT RESERVOIR FOR N/I M/CYL
64671286	CLEVIS MACHINED THREAD 5/16 UNF
373201	CLEVIS PRESSED
64100052	LOCKNUT 5/16 UNF BRIGHT ZINC
PB000089	CLEVIS PIN 5/16" DIA.X 5/8" ZINC
64673398	M/CYL DUST BOOT SHORT SMALL
363518	M/CYL DUST BOOT CONVOLUTED
64673746	M/CYL DUST BOOT SHORT LARGE
64475476	M/CYL EXTENSIONS
411X4873	M/CYL MOISTURE BARRIER SMALL
64478356	M/CYL MOISTURE BARRIER LARGE
RTA800	7/16 UNF - 5/16 (8mm) M/CYL TO RESERVOIR PUSH ON ADAPTOR

## GIRLING CALIPERS & PADS

GIRLING AR & NR CALIPERS ARE AVAILABLE PLEASE CALL FOR MORE DETAILS

GIRLING BRAKE PADS	
PART No:	DESCRIPTION
GDB504354	AR GIRLING HARD
GDB504337	AR GIRLING SOFT
DP4035	AR EBC YELLOW STUFF
MGB5041144	AR MINTEX 1144
GDB505354	NR GIRLING HARD
GDB505337	NR GIRLING SOFT
DP4034	NR EBC YELLOW STUFF
MGB5051144	NR MINTEX 1144

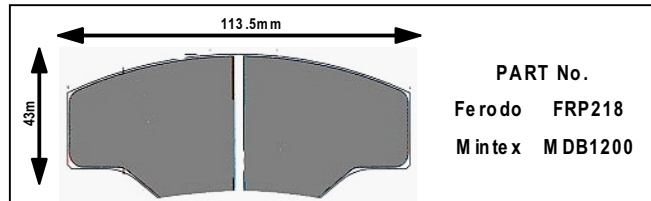
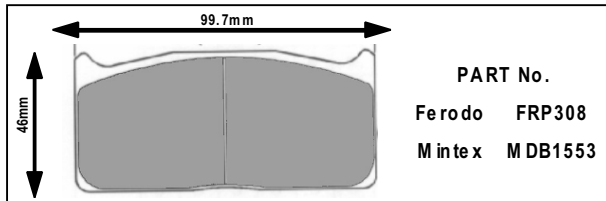


CALIPER SEALS	
PART No:	I.D
32320268	38.1
32320272	48.1
32320978	54.0
32323284	42.8
32323285	30.2
64321320	50.8
64326075	57.2
64326112	42.8
64326116	48.1
64326148	60.3
67320782	TRANSFER SEAL

MISCELLANEOUS	
PART No:	DESCRIPTION
WIL BIA	WILWOOD BRAKE BIAS VALVE
LINE LOCK	BRAKE LINE LOCK, 1/8 BSP THREAD



Brake pads are available to suit most racing and road applications. This page gives details of some of the pad compounds available and some of the popular racing pad shapes. Please contact Raceparts with your exact requirements or for advice on the correct pad to suit your needs.



**DS2500**

A race developed pad, perfect for track days. It has a consistent coefficient of friction (0.5) at any temperature, giving predictable braking and good pedal modulation. Low in compressibility, giving firm pedal feel and high disc and pad life. Low noise and low dusting.

**4003**

Specifically designed for light inertia cars and rally use. 4003 is the most commonly used pad in F3 and can also be used in the rear axle of front traction cars on asphalt, track and off-road. Short bedding-in time, high coefficient of friction (0.48) at any temperature or speed, excellent initial bite, and predictability and reliability through the corner.

**DS3000**

DS3000 has set the braking standard since 1998, contributing to many wins in Touring Car and GT championships. Approximately 50% quicker bedding-in time than other materials. Extremely high coefficient of friction (0.62) at any speed or temperature. Higher initial bite. Predictable in all conditions due to flat friction curve. Less off brake between brake pedal and throttle. Not suitable for road use.

**DS1.11**

Top of the range, based on Siloxanes ceramic technology. Will not decompose at high temperatures. Performance remains the same throughout the pad's long life. Flat friction profile at a medium/high level of friction. Very low pad compression so pedal travel is short and consistent. High coefficient of friction (0.50) at all speeds and temperatures. High initial bite. Predictability and control. Low off-brake drag/excellent release. Suitable for use in A1GP, FIA GT, touring car, Formula cars & Group N.

**DS2.11**

The sister compound to DS1.11, shares many of its characteristics. DS2.11 pad life is slightly shorter than DS1.11 but has an extremely high bite and friction coefficient. Excellent disc life and condition, no fade and strong torque profile, good pad life, low off-brake/excellent release, unvarying performance throughout the pad life. Especially recommended for rally (WRC race proven) and sprint races, but suitable for any other application where very high friction, bite and a rising torque profile are desired.

**M SERIES — MEDIUM TORQUE**

The M series compounds have a race history of over 40 years. They offer good stability, good pedal control and high fade resistance in a temperature band up to around 1100°F (600°C) and require minimal bedding-in. M1122 offers medium fade resistance, especially suitable for lightweight applications such as Karting. M1144 is a fast road and light circuit use material with positive pressure modulation and medium fade resistance. Requires no more bedding-in than a standard road pad. M1155 and M1166 are race-only materials with positive pressure modulation and high fade resistance. Suitable for Group A and N Rally, Dirt Track and Circuit use.

**RS 4-2 Blue**

A medium friction racing compound with good cold friction and fading resistance up to 930°F (500°C). Acceptable disc wear rate and very good modulation.

**RS 4-2-1 Black**

A high performance compound with low fading characteristics. The most comfortable medium friction sport compound. Disc friendly. Suitable for street and light track use.

**RS 4-4 Orange**

Very good fade resistance and a higher average friction value than RS 4-2. Disc friendly with predictable, non-aggressive friction behaviour. Fading resistance up to 1050°F (560°C). It is a good rear compound for Touring Car applications in combination with RS 14 front pads.

**RS 14 Black**

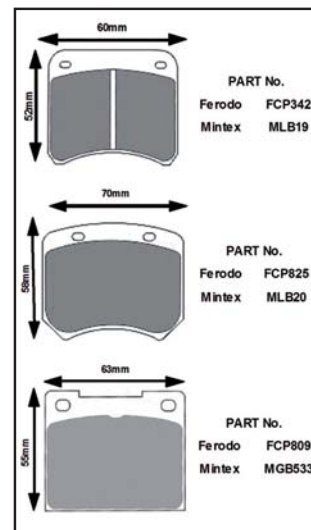
This is a medium high friction value ceramic type compound with very good modulation, high fade resistance, low heat conductivity, and a good wear rate up to 1200°F (650°C). It is kind on discs, with visible grooving, but a limitation of hairline cracks.

**RS 15 Grey**

Very high torque compound. It combines a 20% higher friction value than the RS 14 with a slightly increased pad wear. Needs finesse to avoid over braking the car. Good release characteristics and quick bedding-in. Although RS 15 has very good modulation it might have an excessive bite for some applications.

**RS 19 Yellow**

Best compound for endurance racing on the basis of the RS 14. A slightly lower friction value improves the modulation. However, the friction value is enough for cars without power-assisted brakes and ensures comfortable low effort on the brake pedal. Constant temperatures up to 1100°F (600°C) are possible. The combination of friction value, fading stability and low wear rates on pads and discs is unmatched up to now.



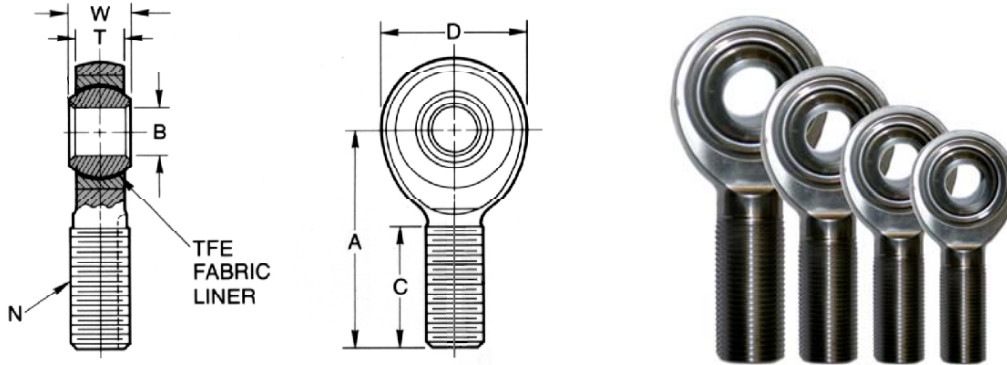
Performance Friction brake pads are produced from a Carbon Metallic™ composition. Carbon possesses very good dimensional stability at elevated temperatures so the pad is less likely to deform and deteriorate. The metallic elements help to increase the coefficient of friction of the pad material for superior braking, improved pedal feel and less fade. Carbon Metallic™ pads have no clay fillers and so have a longer life. A range of compounds is available from Performance Friction Brakes, please call Raceparts with your requirements.



## ROD ENDS & SPHERICAL BEARINGS

NMB Rod Ends are manufactured to aircraft and military specification and have been used by race car manufacturers for over 20 years. All NMB joints are made of heat treated stainless steel with a Teflon Fabric liner (unless otherwise stated). If you require any more information than listed here please phone for advice.

### MALE ROD ENDS - If the part number contains an 'L' it has a left handed

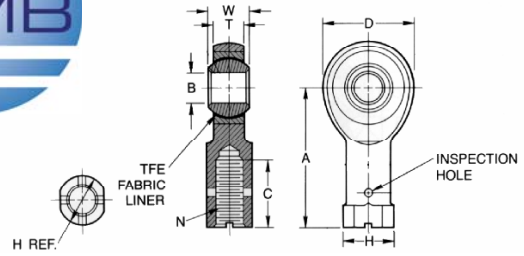


PART No:	A	B	C	D	N	I	Q	W	WEIGHT (LBS)
	BALL CENTRE END TO END	BORE DIA.	THREAD LENGTH	HEAD DIA.	THREAD SIZE	BODY WIDTH	ANGULARITY	BALL WIDTH	
ARHT4E(R)	1.562"	1/4"	0.968"	0.806"	5/16 UNF	0.337"	5 DEG	0.375"	0.067
ARHTL4E(R)	1.562"	1/4"	0.968"	0.806"	5/16 UNF	0.337"	5 DEG	0.375"	0.067
ARHT5E(R)	1.875"	5/16"	1.187"	0.900"	3/8 UNF	0.327"	14 DEG	0.437"	0.095
ARHTL5E(R)	1.875"	5/16"	1.187"	0.900"	3/8 UNF	0.327"	14 DEG	0.437"	0.095
ARHT6E(R)	1.938"	3/8"	1.187"	1.025"	7/16 UNF	0.416"	9 DEG	0.500"	0.140
ARHTL6E(R)	1.938"	3/8"	1.187"	1.025"	7/16 UNF	0.416"	9 DEG	0.500"	0.140
ARHT6E2001	1.938"	3/8"	1.187"	1.025"	1/2 UNF	0.416"	9 DEG	0.500"	0.151
ARHTL6E2001	1.938"	3/8"	1.187"	1.025"	1/2 UNF	0.416"	9 DEG	0.500"	0.151
ARHT7E(R)	2.125"	7/16"	1.281"	1.150"	1/2 UNF	0.452"	10 DEG	0.562"	0.210
ARHTL7E(R)	2.125"	7/16"	1.281"	1.150"	1/2 UNF	0.452"	10 DEG	0.562"	0.210
ARHT8E(R)	2.438"	1/2"	1.468"	1.337"	5/8 UNF	0.515"	9 DEG	0.625"	0.330
ARHTL8E(R)	2.438"	1/2"	1.468"	1.337"	5/8 UNF	0.515"	9 DEG	0.625"	0.330
ARHT10E(R)	2.625"	5/8"	1.562"	1.525"	3/4 UNF	0.577"	12 DEG	0.750"	0.480
ARHTL10E(R)	2.625"	5/8"	1.562"	1.525"	3/4 UNF	0.577"	12 DEG	0.750"	0.480
ARHT12E(R)	2.875"	3/4"	1.687"	1.775"	7/8 UNF	0.640"	13 DEG	0.875"	0.730
ART4E(R)	1.562"	1/4"	0.968"	0.806"	5/16 UNF	0.337"	15 DEG	0.437"	0.072
ARTL4E(R)	1.562"	1/4"	0.968"	0.806"	5/16 UNF	0.337"	15 DEG	0.437"	0.072
ART5E(R)	1.875"	5/16"	1.187"	0.900"	5/16 UNF	0.327"	14 DEG	0.437"	0.087
ARTL5E(R)	1.875"	5/16"	1.187"	0.900"	5/16 UNF	0.327"	14 DEG	0.437"	0.087
ART6E(R)	1.938"	3/8"	1.187"	1.025"	3/8 UNF	0.416"	8 DEG	0.500"	0.136
ARTL6E(R)	1.938"	3/8"	1.187"	1.025"	3/8 UNF	0.416"	8 DEG	0.500"	0.136
ART7E(R)	2.125"	7/16"	1.281"	1.150"	7/16 UNF	0.452"	10 DEG	0.562"	0.183
ARTL7E(R)	2.125"	7/16"	1.281"	1.150"	7/16 UNF	0.452"	10 DEG	0.562"	0.183
ART8E(R)	2.438"	1/2"	1.468"	1.337"	1/2 UNF	0.515"	9 DEG	0.625"	0.278
ARTL8E(R)	2.438"	1/2"	1.468"	1.337"	1/2 UNF	0.515"	9 DEG	0.625"	0.278
ART10E(R)	2.625"	5/8"	1.562"	1.525"	5/8 UNF	0.577"	12 DEG	0.750"	0.424
ARTL10E(R)	2.625"	5/8"	1.562"	1.525"	5/8 UNF	0.577"	12 DEG	0.750"	0.424
ART12E(R)	2.875"	3/4"	1.687"	1.775"	3/4 UNF	0.640"	13 DEG	0.875"	0.639

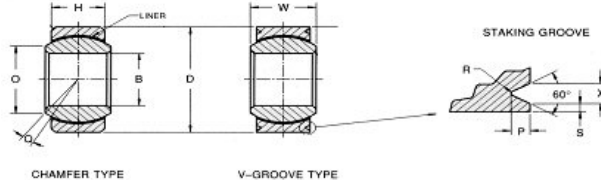
### MALE ROD ENDS. HIGH ANGULARITY

PART No:	A	B	C	D	N	I	Q	W	WEIGHT (LBS)
	BALL CENTRE END TO END	BORE DIA.	THREAD LENGTH	HEAD DIA.	THREAD SIZE	BODY WIDTH	ANGULARITY	BALL WIDTH	
ARYT4E(R)	1.938"	1/4"	1.250"	1.000"	3/8 UNF	0.265"	23 DEG	0.593"	0.110
ARYTL4E(R)	1.938"	1/4"	1.250"	1.000"	3/8 UNF	0.265"	23 DEG	0.593"	0.110
ARYT5E(R)	2.125"	5/16"	1.375"	1.125"	7/16 UNF	0.355"	23 DEG	0.813"	0.160
ARYTL5E(R)	2.125"	5/16"	1.375"	1.125"	7/16 UNF	0.355"	23 DEG	0.813"	0.160
ARYT6E(R)	2.125"	3/8"	1.375"	1.125"	7/16 UNF	0.355"	23 DEG	0.813"	0.150
ARYTL6E(R)	2.125"	3/8"	1.375"	1.125"	7/16 UNF	0.355"	23 DEG	0.813"	0.150
ARYT7E(R)	2.438"	7/16"	1.500"	1.312"	1/2 UNF	0.355"	21 DEG	0.875"	0.250
ARYTL7E(R)	2.438"	7/16"	1.500"	1.312"	1/2 UNF	0.355"	21 DEG	0.875"	0.250
ARYT8E(R)	2.625"	1/2"	1.625"	1.500"	5/8 UNF	0.411"	20 DEG	0.937"	0.390
ARYTL8E(R)	2.625"	1/2"	1.625"	1.500"	5/8 UNF	0.411"	20 DEG	0.937"	0.390
ARYT10E(R)	2.875"	5/8"	1.750"	1.750"	3/4 UNF	0.577"	20 DEG	1.200"	0.620





PART No:	A	B	C	D	N	W	Q	T	WEIGHT (LBS)
	BALL CENTRE END TO END	BORE DIA.	THREAD LENGTH	HEAD DIA.	THREAD SIZE	BALL WIDTH	ANGULARITY	BODY WIDTH	
ARHT4(R)	1.469"	1/4"	0.750"	0.806"	5/16 UNF	0.337"	5 DEG	0.375"	0.084
ARHTL4(R)	1.469"	1/4"	0.750"	0.806"	5/16 UNF	0.337"	5 DEG	0.375"	0.084
ARHT5(R)	1.625"	5/16"	0.875"	0.900"	3/8 UNF	0.327"	14 DEG	0.437"	0.102
ARHTL5(R)	1.625"	5/16"	0.875"	0.900"	3/8 UNF	0.327"	14 DEG	0.437"	0.102
ARHT6(R)	1.812"	3/8"	1.000"	1.025"	7/16 UNF	0.416"	9 DEG	0.500"	0.160
ARHTL6(R)	1.812"	3/8"	1.000"	1.025"	7/16 UNF	0.416"	9 DEG	0.500"	0.160
ARHT7(R)	2.000"	7/16"	1.125"	1.150"	1/2 UNF	0.452"	10 DEG	0.562"	0.230
ARHTL7(R)	2.000"	7/16"	1.125"	1.150"	1/2 UNF	0.452"	10 DEG	0.562"	0.230
ARHT8(R)	2.250"	1/2"	1.250"	1.337"	5/8 UNF	0.515"	9 DEG	0.625"	0.340
ART4(R)	1.469"	1/4"	0.750"	0.806"	5/16 UNF	0.337"	15 DEG	0.437"	0.084
ART5(R)	1.625"	5/16"	0.875"	0.900"	3/8 UNF	0.327"	14 DEG	0.437"	0.102
ARTL6(R)	1.812"	3/8"	1.000"	1.025"	3/8 UNF	0.416"	8 DEG	0.500"	0.161
ARTL8(R)	2.250"	1/2"	1.250"	1.337"	1/2 UNF	0.515"	9 DEG	0.625"	0.325



PART No:	B	D	H	O	Q	W	WEIGHT (LBS)
	BORE DIA.	OUTSIDE DIA.	RACE WIDTH	SHOULDER DIA.	ANGULARITY	BALL WIDTH	
ABT4(R)	1/4"	0.6562"	0.250"	0.364"	10 DEG	0.343"	0.020
ABT5V(R)	5/16"	0.7500"	0.281"	0.419"	10 DEG	0.375"	0.030
ABT6(R)	3/8"	0.8125"	0.312"	0.515"	9 DEG	0.406"	0.040
ABT6V(R)	3/8"	0.8125"	0.312"	0.515"	9 DEG	0.406"	0.040
ABT7(R)	7/16"	0.9062"	0.343"	0.570"	8 DEG	0.437"	0.050
ABT7V(R)	7/16"	0.9062"	0.343"	0.570"	8 DEG	0.437"	0.050
ABT8(R)	1/2"	1.0000"	0.390"	0.641"	8 DEG	0.500"	0.070
ABT82003(R)	1/2"	0.8750"	0.375"	0.575"	8 DEG	0.435"	0.041
ABT9(R)	9/16"	1.0937"	0.437"	0.711"	8 DEG	0.562"	0.090
ABT10(R)	5/8"	1.1875"	0.500"	0.739"	8 DEG	0.625"	0.120
ABT12(R)	3/4"	1.4375"	0.593"	0.920"	8 DEG	0.750"	0.210
ABWT4(R)	1/4"	0.6250"	0.327"	0.301"	15 DEG	0.437"	0.031
ABWT4V(R)	1/4"	0.6250"	0.327"	0.301"	15 DEG	0.437"	0.031
ABWT5(R)	5/16"	0.6875"	0.317"	0.401"	14 DEG	0.437"	0.035
ABWT5V(R)	5/15"	0.6875"	0.317"	0.401"	14 DEG	0.437"	0.035
ABWT6(R)	3/8"	0.8125"	0.406"	0.471"	8 DEG	0.500"	0.060
ABWT6V(R)	3/8"	0.8125"	0.406"	0.471"	8 DEG	0.500"	0.060
ABWT7(R)	7/16"	0.9375"	0.442"	0.542"	10 DEG	0.562"	0.080
ABWT7V(R)	7/16"	0.9375"	0.442"	0.542"	10 DEG	0.526"	0.080
ABWT8(R)	1/2"	1.0000"	0.505"	0.612"	9 DEG	0.625"	0.100
ABWT8V(R)	1/2"	1.0000"	0.505"	0.612"	9 DEG	0.625"	0.100
ABWT9(R)	9/16"	1.1250"	0.536"	0.726"	10 DEG	0.687"	0.135
ABWT9V(R)	9/16"	1.1250"	0.536"	0.726"	10 DEG	0.687"	0.135
ABWT10(R)	5/8"	1.1875"	0.567"	0.752"	12 DEG	0.750"	0.160
ABWT10V(R)	5/8"	1.1875"	0.567"	0.752"	12 DEG	0.750"	0.160
ABWT12(R)	3/4"	1.3750"	0.630"	0.892"	13 DEG	0.875"	0.240
ABWT12V(R)	3/4"	1.3750"	0.630"	0.892"	13 DEG	0.875"	0.240

PART No:	B	D	H	O	Q	W	WEIGHT (LBS)
	BORE DIA.	OUTSIDE DIA.	RACE WIDTH	SHOULDER DIA.	ANGULARITY	BALL WIDTH	
ABYT5(R)	5/16"	0.6875"	0.255"	0.418"	20 DEG	0.625"	0.025
ABYT5V(R)	5/16"	0.6875"	0.255"	0.418"	20 DEG	0.625"	0.025
ABYT6(R)	3/8"	0.9060"	0.345"	0.512"	23 DEG	0.813"	0.068
ABYT6V(R)	2/8"	0.9060"	0.345"	0.512"	23 DEG	0.813"	0.068
ABYT7(R)	7/16"	1.0000"	0.345"	0.618"	22 DEG	0.875"	0.095
ABYT7V(R)	7/16"	1.0000"	0.345"	0.618"	22 DEG	0.875"	0.095
ABYT8(R)	1/2"	1.1250"	0.401"	0.730"	20 DEG	0.937"	0.159
ABYT8V(R)	1/2"	1.1250"	0.401"	0.730"	20 DEG	0.937"	0.159
ABYT10(R)	5/8"	1.3750"	0.567"	0.856"	20 DEG	1.200"	0.245
ABYT10V(R)	3/4"	1.5625"	0.620"	0.970"	18 DEG	1.280"	0.315

National are a world class manufacturer and the rod ends are very reasonably priced.

## MALE ROD ENDS

### MBM SERIES: 4-PIECE BRONZE RACE, OIL IMPREGNATED

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
MBM3	MBML3	3/16"	0.750"	10/32	13
MBM4	MBML4	1/4"	1.000"	1/4	20
MBM5	MBML5	5/16"	1.250"	5/16	33
MBM6	MBML6	3/8"	1.250"	3/8	51
MBM7	MBML7	7/16"	1.375"	7/16	73
MBM8	MBML8	1/2"	1.500"	1/2	113
MBM10	MBML10	5/8"	1.625"	5/8	173
MBM12	MBML12	3/4"	1.750"	3/4	273

### RMX-T SERIES: 3-PIECE, TEFLON LINED, HEAVY DUTY SHANK

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
RMX3T	RMXL3T	3/16"	1.000"	1/4	20
RMX4T	RMXL4T	1/4"	1.250"	5/16	33
RMX5T	RMXL5T	5/16"	1.250"	3/8	51
RMX6T	RMXL6T	3/8"	1.375"	7/16	73
RMX7T	RMXL7T	7/16"	1.500"	1/2	113
RMX8T	RMXL8T	1/2"	1.625"	5/8	173
RMX10T	RMXL10T	5/8"	1.750"	3/4	273

## FEMALE ROD ENDS

### MBF SERIES: 4-PIECE, BRONZE

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
MBF3	MBFL3	3/16"	0.500"	10/32	17
MBF4	MBFL4	1/4"	0.687"	1/4	27
MBF5	MBFL5	5/16"	0.687"	5/16	42
MBF6	MBFL6	3/8"	0.812"	3/8	69
MBF7	MBFL7	7/16"	0.937"	7/16	90
MBF8	MBFL8	1/2"	1.062"	1/2	149
MBF10	MBFL10	5/8"	1.375"	5/8	216
MBF12	MBFL12	3/4"	1.562"	3/4	328

### EM-T SERIES: 2-PIECE, TEFLON LINED, REPLACES MSM-T

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
EM3T	EML3T	3/16"	0.750"	10/32	14
EM4T	EML4T	1/4"	1.000"	1/4	18
EM5T	EML5T	5/16"	1.250"	5/16	32
EM6T	EML6T	3/8"	1.250"	3/8	50
EM7T	EML7T	7/16"	1.375"	7/16	68
EM8T	EML8T	1/2"	1.500"	1/2	109
EM10T	EML10T	5/8"	1.625"	5/8	163
EM12T	EML12T	3/4"	1.750"	3/4	259

### TSMX-T SERIES: 3-PIECE, TEFLON LINED

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
TSMX3T	TSMXL3T	3/16"	0.750"	10/32	13
TSMX4T	TSMXL4T	1/4"	1.000"	1/4	20
TSMX5T	TSMXL5T	5/16"	1.250"	5/16	33
TSMX6T	TSMXL6T	3/8"	1.250"	3/8	51
TSMX7T	TSMXL7T	7/16"	1.375"	7/16	73
TSMX8T	TSMXL8T	1/2"	1.500"	1/2	113
TSMX10T	TSMXL10T	5/8"	1.625"	5/8	173
TSMX12T	TSMXL12T	3/4"	1.750"	3/4	273

### MSF-T SERIES: 2-PIECE, TEFLON LINED

PART No:		BORE DIA.	THREAD LENGTH	THREAD (UNF)	WEIGHT (g)
RIGHT HAND	LEFT HAND				
MSF3T	MSFL3T	3/16"	0.500"	10/32	18
MSF4T	MSFL4T	1/4"	0.687"	1/4	23
MSF5T	MSFL5T	5/16"	0.687"	5/16	36
MSF6T	MSFL6T	3/8"	0.812"	3/8	59
MSF7T	MSFL7T	7/16"	0.937"	7/16	82
MSF8T	MSFL8T	1/2"	1.062"	1/2	132
MSF10T	MSFL10T	5/8"	1.375"	5/8	195
MSF12T	MSFL12T	3/4"	1.562"	3/4	295



## IMPERIAL LOCKNUTS

ZINC PLATED MILD STEEL LOCK NUTS,  
SUITABLE FOR USE ON ROD ENDS.

PART No:	THREAD (UNF)	DESCRIPTION
LOC 1/4 R/H	1/4	LOCKNUT R/H THREAD
LOC 1/4 L/H	1/4	LOCKNUT L/H THREAD
LOC 5/16 R/H	5/16	LOCKNUT R/H THREAD
LOC 5/16 L/H	5/16	LOCKNUT L/H THREAD
LOC 3/8 R/H	3/8	LOCKNUT R/H THREAD
LOC 3/8 L/H	3/8	LOCKNUT L/H THREAD
LOC 7/16 R/H	7/16	LOCKNUT R/H THREAD
LOC 7/16 L/H	7/16	LOCKNUT L/H THREAD
LOC 1/2 R/H	1/2	LOCKNUT R/H THREAD
LOC 1/2 L/H	1/2	LOCKNUT L/H THREAD
LOC 5/8 R/H	5/8	LOCKNUT R/H THREAD
LOC 5/8 L/H	5/8	LOCKNUT L/H THREAD
LOC 3/4 R/H	3/4	LOCKNUT R/H THREAD
LOC 3/4 L/H	3/4	LOCKNUT L/H THREAD
LOC 9/16 R/H	9/16	LOCKNUT R/H THREAD
LOC 9/16 L/H	9/16	LOCKNUT L/H THREAD
LOC 7/8 R/H	7/8	LOCKNUT R/H THREAD
LOC 7/8 L/H	7/8	LOCKNUT L/H THREAD

PLEASE ENQUIRE FOR SPACERS AND OTHER ACCESSORIES.



## DUST BOOTS

PART No:	DESCRIPTION
RDDS4	1/4" DUST BOOT FOR ROD ENDS
RDDS6	3/8" DUST BOOT FOR ROD ENDS
RDDS8	1/2" DUST BOOT FOR ROD ENDS
RDDS12	5/8"-3/4" DUST BOOT FOR ROD ENDS



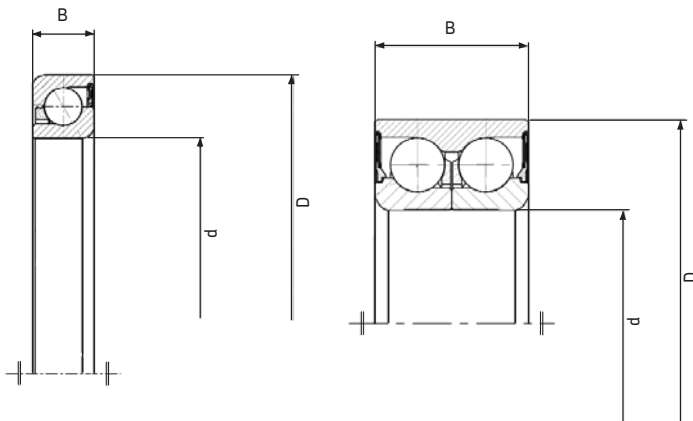
# Racing

E-TECH racing are the distributor for SKF racing bearings

## Wheel Bearings

SKF Designation *sealed bearings	d (mm)	D (mm)	B (mm)	C (N)	Co (N)	Single or Double row
BAH-0144*	49	88	46	65000	62000	D
633007 C*	50	90	34	60500	47500	D
BAH-0197*	50	90	34	60500	47500	D
7011 ACDGA/P4A	55	90	18	37100	31000	S
S7011 ACDGA/P4AVP304*	55	90	18	37100	31000	S
S71912 ACDGB/P4A*	60	85	13	19900	15300	S
71913 ACDGA/P4A	65	90	13	19500	15300	S
71914 ACDGA/P4A	70	100	16	32500	32500	S
71914 ACDGA/PA9A	70	100	16	32500	32500	S
71915 ACDGA/P4A	75	105	16	33800	35500	S
S71917 ACDGA/P4AVP304*	85	120	18	43600	48000	S
BAH-0183*	90	115	13	22100	26500	S
71918 ACDGA/P4A	90	125	18	44200	48000	S
71919 ACDGA/P4A	95	130	18	46200	52000	S
71919 ACDGA/PA9A	95	130	18	46200	52000	S
S71919 ACDGA/P4AVT189*	95	130	18	46200	52000	S
BAH-0163A*	100	127	13	28100	34500	S
BAR-0178/BAR-0179*	Single Nut HUB Unit			54000	51000	D

Bearings can be supplied with ceramic balls on request





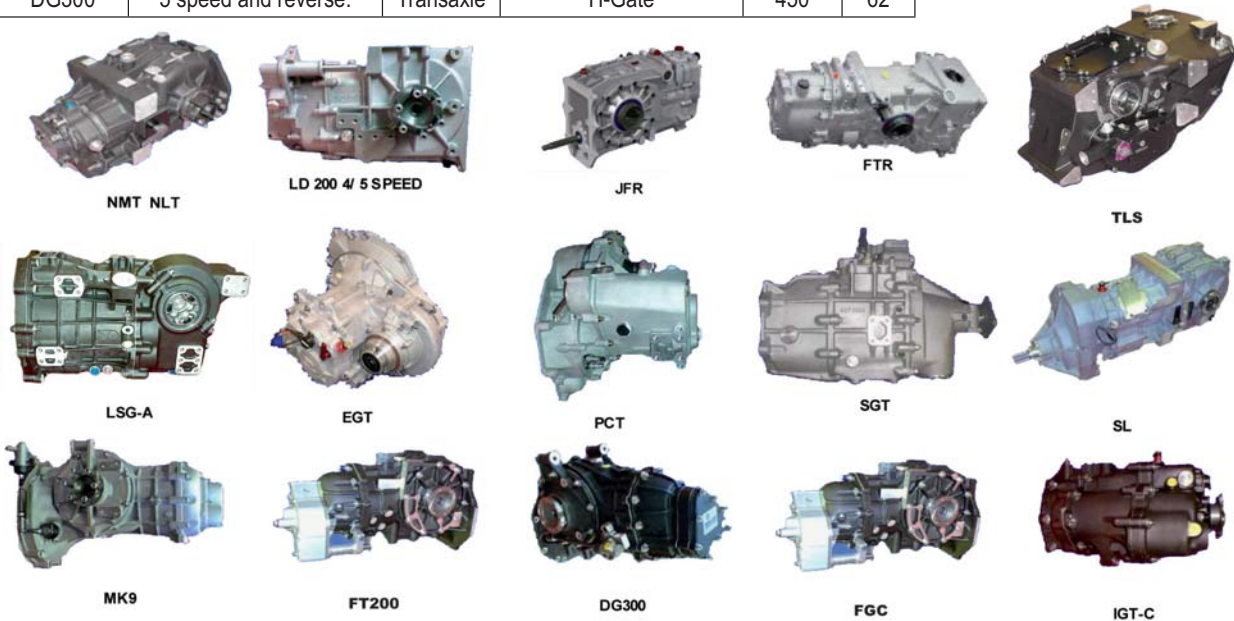


Hewland Engineering is the world's leading producer of racing transmissions for motor sport. The company's vast range of technical experience gained over 50 years together with up to date manufacturing technology enables them to work in all levels of motor racing, from Formula Ford to Formula 1. Raceparts has been a Hewland distributor for 25 years. All Hewland gearboxes and spares are available from Raceparts and the following pages show detailed drawings of the most popular boxes. If you would like further information please contact us.

CURRENT GEAR BOX RANGE						
Gearbox	Number of Gears	Type	Shift Type	Max Rec'd Torque		
				lb.ft	kg.m	
LD 200 4 speed	4 speed and reverse.	RWD Transaxle	H-Gate	160	22	
LD 200 5 speed	5 speed and reverse.	RWD Transaxle	H-Gate	160	22	
JFR	5/6 speed and reverse.	RWD Transaxle	Sequential	240	33	
FTR	6 speed and reverse.	RWD Transaxle	Sequential	240	33	
NMT	6 speed and reverse (can be five speed).	RWD Transaxle	Sequential	320	44	
NLT	6 speed and reverse.	RWD Transaxle	Sequential	500	69	
TGT-A	6 speed and reverse.	RWD Transverse	Sequential	530	73	
SL	6 speed and reverse. (gears in front of differential)	RWD Transaxle	Sequential	600	83	
LSG-A	6 speed and reverse.	RWD Transaxle	Sequential	600	83	
EGT	6 speed and reverse.	FWD Transverse	Sequential	300	42	
PCT	6 speed and reverse.	FWD Transverse	Sequential	250	35	
MVE-STA	5 speed and reverse.	RWD In Tunnel	H-Gate	600+	83+	
SGT	6 speed and reverse.	RWD In Tunnel	Sequential or H-Gate	450	62	
IGT-C	6 speed and reverse.	RWD In Tunnel	Sequential	600	83	
TLS	6 speed and reverse. (transverse geartrain)	RWD Transaxle	Sequential	550	75	

CLASSIC GEARBOX RANGE					
GEARBOX	NUMBER OF GEARS	TYPE	SHIFT TYPE	lb.ft	kg.m
MK9	4/5 speed and reverse	Transaxle	H-Gate	150-180	21-25
FT200	5 speed and reverse.	Transaxle	Sequential or H-Gate	220	31
FGC	5 speed and reverse.	Transaxle	Sequential or H-Gate	280	39
DG300	5 speed and reverse.	Transaxle	H-Gate	450	62

**DETAILED INSTRUCTIONS AND INSTALLATION DIAGRAMS ARE ALSO AVAILABLE PLEASE ASK A MEMBER OF RACEPARTS FOR MORE INFORMATION.**



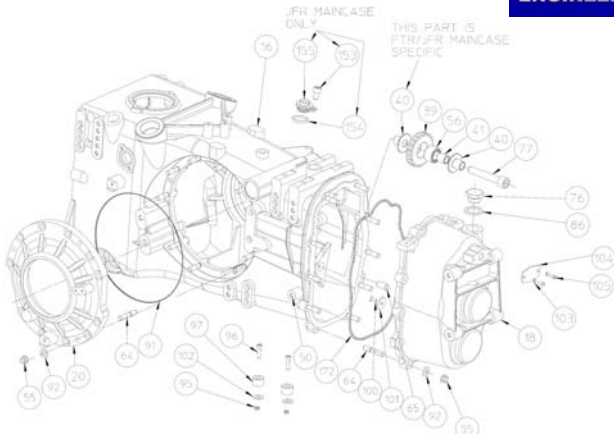
**FOR PRICES ON COMPLETE GEARBOXES OR FOR SPARES ON ANY HEWLAND GEARBOX CURRENT OR CLASSIC; PLEASE CALL**

## **RATIO VERSION 1.0 FOR WINDOWS 95 ON>**

Ratio is a Windows based program for use within Car, Motorcycle or Kart Racing environments. Ratio calculates the optimum gear ratios for maximum vehicle performance. The software is very versatile, and gearing calculations may be performed according to numerous input parameters such as differential gearing and tyre diameter. Ratio allows the user to save 'input' data and graphs, enabling a database of configurations to be recorded and stored for easy reference. User charts and associated gearing data may also be printed. This program comes on CD and can be used with Windows 95 and later versions. **PART No: RATIO95VI**



FTR-GEARBOX

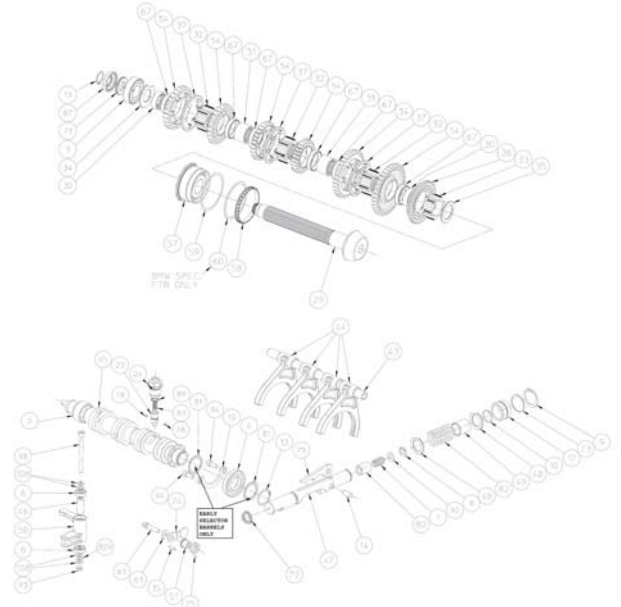


6 SPEED PARTS LIST

FTR/JFR 6 SPEED ASSEMBLY				FTR/JFR 6 SPEED ASSEMBLY			
Position	QTY	Part Number	Description	Position	QTY	Part Number	Description
1	1	102-260-9	COMPRESSION SPRING	28	2	FTR-218-3	BEARING RING
2	1	105-260-6	NEEDLE ROLLER BEARING	29	1	FINAL-DRIVE	FINAL DRIVE ASSY
3	1	BEA-002	ROLLER BEARING	30	2	FTR-225	BEARING INNER TRACK
4	1	BEA-141	BALL BEARING	31	2	FTR-226	BEARING INNER TRACK
5	2	BEA-159	ROLLER BEARING	32	3	FTR-227	HUB
6	2	BEA-162	BALL BEARING	33	1	FTR-228	REVERSE HUB
7	2	BEA-171	TAPER ROLLER BEARING	34	1	LD-229-4	SPACER
8	1	DIR-002	CIRCLIP	35	1	FTR-231	FORK SETTING SPACER
9	1	DIR-063	CIRCLIP	36	1	FTR-231	REVERSE SLIDING GEAR
10	1	DIR-084	CIRCLIP	37	3	FTR-232	CLUTCH RING
13	2	DGB-239-0	EXTERNAL CIRCLIP	38	2	FTR-234-1	SPACER/INPUT SHAFT
14	1	DOW-024	DOWEL	39	1	FTR-237	REVERSE IDLER GEAR
15	1	FSA-205-04	DOWEL	40	2	FTR-237-1	REVERSE IDLER SPIGOT
16	1	FTR-201 (FTR)	MAINCASE	40	1	JFR-237-1	REVERSE IDLER SPIGOT
17	1	FTR-201-1	SELECTOR RACK STOP	41	1	FTR-237-2	SLEEVE
18	1	BEARINGS-CARRIER	BEARING CARRIER	42	1	FTR-239	CLUTCH SHAFT
19	1	FTR-205-2	BEARING RETAINING PLATE	43	1	FTR-246	SELECTOR RACK WASHER
20	1	FTR-205 (FTR)	SIDEPLATE	44	4	FTR-250	SELECTOR FORK
21	2	FTR-205-1	SIDEPLATE SHIM	45	1	FTR-260	SELECTOR BARREL ASSY
22	2	FTR-205-2	SIDEPLATE SPACER	46	1	FTR-260-2	SPACER TUBE
23	1	FTR-210-35	PLUNGER	47	1	FTR-260-3	SELECTOR RACK
24	1	FTR-210-36	PLUG	48	2	FTR-260-5	SELECTOR RACK WASHER
25	1	DIFFERENTIAL-ASSY	DIFF ASSY	50	1	FTR-260-7	BELL CRANK
26	2	OUTPUT-FLANGE	OUTPUT FLANGE	51	1	FTR-260-8	SPRING TRUNION

6 SPEED PARTS LIST Continued

FTR/JFR 6 SPEED ASSEMBLY				FTR/JFR 6 SPEED ASSEMBLY			
Position	QTY	Part Number	Description	Position	QTY	Part Number	Description
52	1	FTR-234-ASSY	LAYSHAFT ASSEMBLY	76	1	PLU-030	PLUG
53	1	FTR-RATIO-HUB	FTR HUBBED GEAR PAIR	77	1 (FTR)	SCR-117	SOCKET CAP SCREW
54	4	FTR-RATIO-STD	FTR STANDARD GEAR PAIR		1 (JFR)	SCR-225	SOCKET CAP SCREW
55	21	NUT-004	KAYNUT	79	1	SPH1077-M3	PAWL
56	1	HC-237-2	NEEDLE ROLLER BEARING	80	1	SPH1078-M3	PLUNGER
57	1	HC-232-1HB	PIGION HEAD BEARING	81	2	FTR-260-10	BARREL SPACERS
58	1 (FTR)	GA-222-1A	NUT (BMW SPEC FTR ONLY)	82	1	SPR-037	COMPRESSION SPRING
58	1 (JFR)	GA-222-1A	NUT (BMW SPEC FTR ONLY)	83	1	SPR-058	COMPRESSION SPRING
58	1	NUT-031	NUT (NOT BMW SPEC)	85	8	CROWNWHEEL-BOLT	CROWNWHEEL BOLT
59	1	HC-222-2	SHIM	86	1	WSH-010	DOWTY WASHER
60	1 (FTR)	HC-222-2A	WASHER (BMW SPEC FTR ONLY)	87	1	LOCKING-RING (PIGION)	LOCKING RING (PIGION)
60	1 (JFR)	HC-222-2A	WASHER (BMW SPEC FTR ONLY)	89	1	DIR-001	O-RING
61	1	HP-LD-7039	DRUM WASHER	91	1 (FTR)	DIR-003	O-RING
62	1	HP-LD-9008	BALL BEARING	91	1 (JFR)	DIR-010	O-RING
63	1	HP-M-9054	SOCKET HEAD CAP SCREW	92	22	FSD-236-1	WASHER
64	21	STU-073	STUD	93	1	NUT-005	KAYNUT
65	2	LD-201-6	DOWEL	94	2	HP-N-9008	SOCKET CAP SCREW
67	6	LD-226-1	NEEDLE CAGE	95	2	NUT-007	KAYNUT
68	1	LD-244-10	CIRCLIP	96	2	HC96-203-18	SOCKET CAP SCREW
69	2	LIP-042	OIL SEAL	97	2	VG-201-1A	MAGNET
70	1	LIP-043	OIL SEAL	98	1	HP-M-9008	SOCKET CAP SCREW
71	1	LOCK-NUT (PIN TAIL)	LOCK NUT (PIN TAIL)	100	1	SCR-203	COUNTERSUNK SKT SCREW
72	1	DIR-085	QUAD-RING	101	1	WSH-051	WASHER
73	1	DIR-097	O-RING	102	2	WSH-011	WASHER
74	1	PCT-260-2	DRUM STOPPER	103	2	WSH-069	PLAIN WASHER
75	1	PCT-260-3	COIL SPRING	104	1	TE-201-4	COVER PLATE

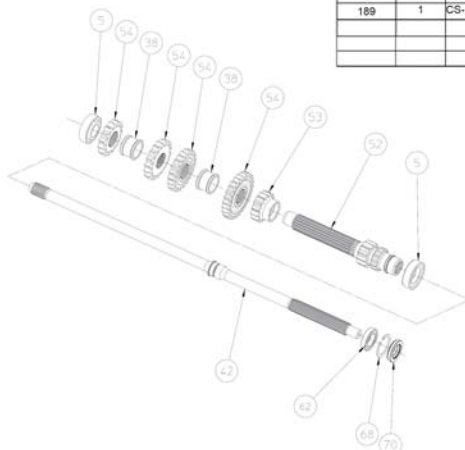


6 SPEED PARTS LIST Continued

FTR/JFR 6 SPEED ASSEMBLY			
Position	QTY	Part Number	Description
105	2	HP-M-9062	SKT BUTTON HEAD SCREW
106	2	HP-N-9004	WIRE CLIP
107	2	GAITOR-KIT (OPT)	GAITOR KIT
108	4	LD-202-9	WASHER
109	1	WSH-067	SHIM WASHER
172	1	VG-201-9	SEALING STRIP
181	1	FTR-205-4	BEARING SPACER
182	1	FTR-205-3	BEARING SPACER
183	2	HC9-205-3	BALL BEARING
184	2	CS-1628	BEARING CARRIER
185	2	HC9-205-4	OUTPUT OILSEAL
186	2	CS-1671	OUTPUT FLANGES
187	1	SPA-073	BEARING SPACER
188	1	CS-1631	BEARING SPACER
189	1	CS-1628-B	BEARING SPACER

6 SPEED VARIABLE PARTS

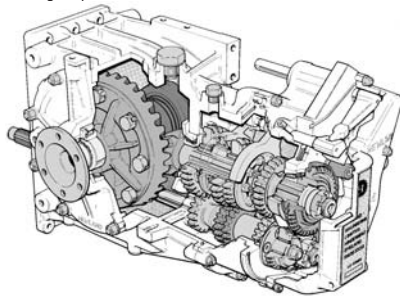
FTR No.	FTR No.	Variable Parts						
		101	102	103	104	105	106	107
29	FTR-270-09							
29	FTR-270-10							
29	FTR-270-11							
29	FTR-270-12							
29	FTR-270-13							
29	FTR-270-14							
29	FTR-270-15							
29	FTR-270-16							
29	FTR-270-17							
29	FTR-270-18							
29	FTR-270-19							
29	FTR-270-20							
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29	FTR-270-22							
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29	FTR-270-27							
29	FTR-270-28							
29	FTR-270-29							
29	FTR-270-30							
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29	FTR-270-32							
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29	FTR-270-42							
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29	FTR-270-80							



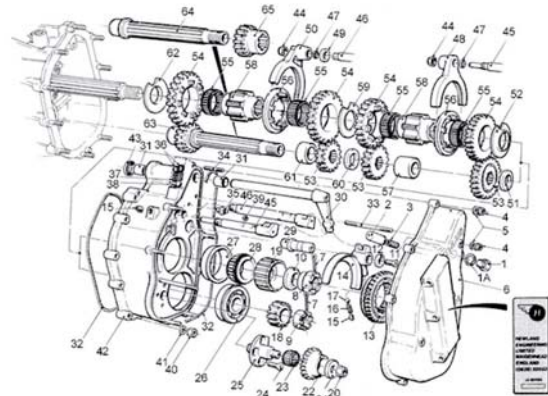


## LD200-GEARBOX

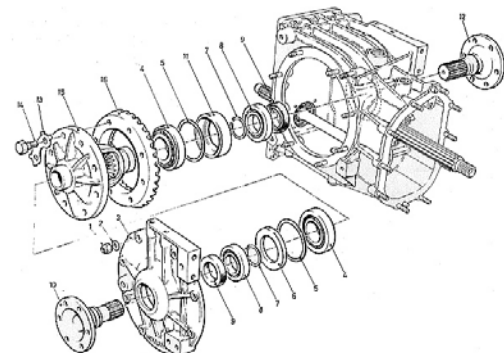
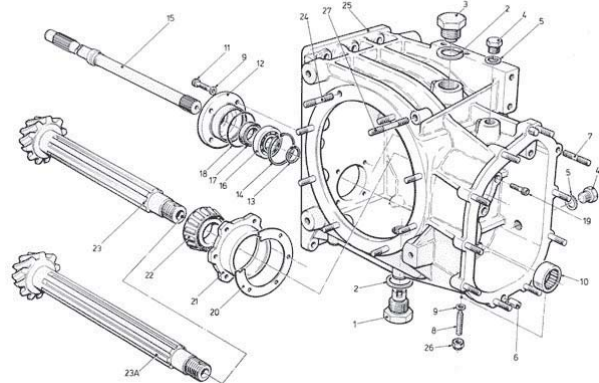
Item No.	Description	Part No.	Qty.
1	Plug	FT-203-5	1
1A	Dowty Washer	LD-203-7	1
2	Reverse Plunger	LD-203-0	1
3	Spring - Reverse Plunger	HC9-203-2	1
4	Nut	LD-202-10	9
5	Washer	LD-202-9	9
6	End Cover	LD-204	1
7	Split Pin	FT-203-1	2
8	Pinion Shaft Nut	FT-230	1
9	Layshaft Nut	LD-236	1
10	Spacer	LD-230-1	1
11	Screw	LD-253-3	1
12	Stop Washer	LD-253-3	1
13	Reverse Sliding Gear	HC84-231	1
14	Reverse Selector Arm	LD-253	1
15	Screw	FT-220-8	2
16	Spring - Reverse Selector Arm	FGA6-203-4	1
17	Ball - Reverse Selector Arm	FT-203-3	1
18	Reverse Input Gear	LD-238	1
19	Reverse Hub	LD-228	1
20	Nut - Reverse Idler	VG-237-5	1
21	Washer - Reverse Idler	FT-237-4	1
22	Gear - Reverse Idler	LD-237-1	1
23	Bearing - Reverse Idler	LD-237-2	1
24	Screw	F3-237-8	3
25	Spigot - Reverse Idler	LD-237-3	1
26	Bearing - Layshaft Tail	LD-234-3	1
27	Pinion Tail Bearing - Outer Track	LD-229-1A	1
28	Pinion Tail Bearing	LD-229-1B	1
29	Reverse Selector Arm Shaft	LD-253-1	1
30	Selector Finger	LD-252	1
31	Bush - Selector Finger	FT-203-6	2
32	Sealing Strip	VG-201-9	As Req.



Item No.	Description	Part No.	Qty.
33	Stud - Long - Bearing Carrier	LD-202-6	2
34	Stud - Short - Bearing Carrier	LD-202-5	7
35	Guide Pin	LD-202-13	1
36	Set Screw - Selector	FT-202-3	2
37	Spring - Selector	LD-202-2	4
38	Ball - Selector	FT-202-1	4
39	Plunger - Selector Rods	FT-202-4	1
40	Nut	HC-201-3A	10
41	Washer	FT-202-7	10
42	Bearing Carrier	LD-202	1
43	Oil Seal - Selector Finger	FT-203-7S	1
44	Nut - Selector Rod	FT-246-2	2
45	Selector Rod 3rd/4th	LD-247	1
46	Selector Rod 1st/2nd	LD-246	1
47	Spacer - Selector Rods	FT-246-3	2
48	Selector Fork 3rd/4th	LD-250	1
49	Stop Spacer	LD-246-4	1
50	Selector Fork 1st/2nd	LD-249	1
51	Spacer - Layshaft Tail	LD-234-5	1
52	Spacer - Pinion Tail	LD-229	1
53/54	Ratios See Ratio List 4 ]		
55	Needle Bearing	LD-226-1	4
56	Clutch Ring	LD-232	2
57	Spacer - 3rd/4th	LD-234-8	1
58	Hub	LD-227	2
59	Spacer - Hubs	LD-229-4	1
60	Spacer - 2nd/3rd	LD-234-7	1
61*	Spacer - 2nd	LD-234-6	1
62	Spacer - Front Pinion Shaft	LD-226-3	1
63	Layshaft with Integral 1st Gear	LD-234	1
64	Layshaft - Plain	LD-234-A	1
65**	Layshaft 1st Gear <b>Call for ratio list</b>		



Item No.	Description	Part No.	Qty.
1	Drain Plug	VG-201-1	1
2	Dowty Washer	FGB-201-8	2
3	Plug	VG-204-4	1
4	Plug	FT-203-5	2
5	Dowty Washer	LD-203-7	2
6	Dowel	LD-201-5	2
7	Stud - Maincase/Bearing Carrier	LD-201-4	10
8	Retaining Screw	LD-234-2	1
9	Washer	LD-202-9	5
10	Bearing - Layshaft - Front	F3A-234-1	1
11	Cap Screw	F3A-244-13	4
12	Bearing Housing	LD-244	1
13	Circlip - Clutch Shaft	LD-239-0	1
14	Circlip - Bearing Housing	LD-239-	10
15	Clutch Shaft	LD-239...	11
16	Bearing - Clutch Shaft	LD-244-12	1
17	Oil Seal - Clutch Shaft	LD-244-11	1
18	O - Ring	LD-244-13	1
19	Cap Screw	LD-225-1	1
20	Shim - Pinion Head Bearing	LD-222-2	As Req.
21	Outer Bearing Track - Pinion Head	LD-223	1
22	Bearing - Pinion Head	LD-223-A	1
23	Pinion Shaft - 4 Speed	LD-221	1
23A	Pinion Shaft - 5 Speed	LD5-221	1
24	Stud - Maincase/Sideplate	LD-201-2	8
25	Maincase	LD-201	1
26	Nut	LD-202-10	1
27	Stud - Maincase	LD-201-3	1



Item No.	Description	Part No.	Qty.
1	Nut	HC-201-3A	9
2	Washer	FT-202-7	9
3	Sideplate	LD-205	1
4	Bearing - Diff. Carrying	HC9-205-1	2
5	Shim - Sideplate	HC9-206-1	As Req.
6	Spacer - Sideplate	LD-205-2	1
7	Circlip - Driveshaft	FT-219-1A	2
8	Bearing - Driveshaft	LD-205-3	2
9	Oil Seal - Driveshaft	LD-205-4	2
10	Driveshaft - Left Hand	LD-218-LH	1
11	Spacer - Right Hand Diff	LD-206-2	1
12	Driveshaft - Right Hand	LD-218-RH	1
13	Tab Washer	HC8-221-2	4
14	Crown Wheel Bolt	VG-221-1	8
15	Differential	HC9-212	1
16	Crown Wheel (and Pinion) <b>Call for Ratio list</b>		



## NLT-GEARBOX

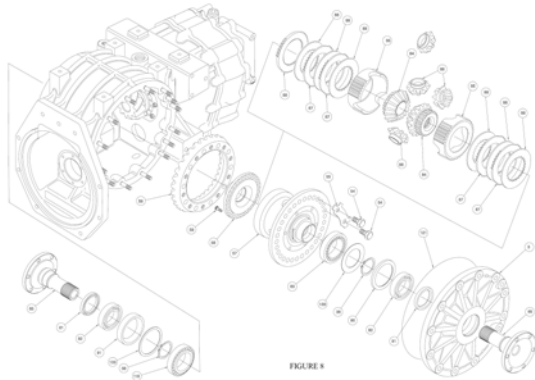


FIGURE 8  
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ITEM No	PART No	DESCRIPTION	QTY
3	NLT-205	SIDEPLATE	1
38	DG-219-1A	CIRCLIP	2
54	VG-221-1	CROWNWHEEL BOLT	10
55	FT-221-2	TAB WASHER	5
56	NLT-221-CW	CROWNWHEEL	1
57	DGC-213	DIFF CASE	1
58	DGC-214	DIFF END CAP	1
59	DGC-213-12	SOCKET CAP SCREW	12
65	FGC-218-AT	OUTPUT FLANGE	2
81	FGC-205-4	OIL SEAL	2
82	FGC-205-3	BALL BEARING	2
83	FGC-205-1	TAPER ROLLER BEARING	1
* 84	DGC-213-6AD	SIDE BEVEL GEAR	2
85	DGC-213-7	SIDE RING GEAR	2
* 86	DGC-213-5D	PLANET BEVEL GEAR	4
87	DGC-213-10	CLUTCH PLATE	4
88	DGC-213-8	CORE PLATE	6
89	DGC-213-3	PRELOAD SPACER	1
90	NLT-205-2	SPACER	1
91	NLT-206-2	SPACER	1
103	DGB-205-1A	SHIM	A/R
118	DGB-205-1	TAPER ROLLER BEARING	1
121	VG-201-9	SEAL STRIP	A/R
133	FGC-206-1	SHIM	A/R

\* See page 26 (General Technical Bulletin No. 14)

ITEM No	PART No	DESCRIPTION	QTY
42	105-229-1	ROLLER BEARING	1
43	NLT-234-2	INNER TRACK	1
44	105-234-8	SPRING WASHER	1
45	TGT-234-8	LAYSHAFT SPACER	2
46	DGN-235	INPUT GEARS	5
47	TGT-234-8A	SPACER	1
50	NLT-234-LS	LAYSHAFT	1
51	BEA-001	ROLLER BEARING	1
96	NLT-239-1	CLUTCH SHAFT	1
97	DGB-244-12	BALL BEARING	1
98	FT-244-11	OIL SEAL	1
99	DGB-244	CLUTCH SHAFT BRG. HOUSING	1
100	DGB-244-14	'O' RING	1
101	DGB-244-10	CIRCLIP	1
102	DGB-239-0	CIRCLIP	1
124	VG-224-13	CAP SCREW	1
138	NLT-234-1	LAYSHAFT BRG. INNER TRACK	1
141	NLT-265-9	MUFF COUPLING/ PUMP DRIVER	1
142	TGT-244-1	WIRE CLIP	1

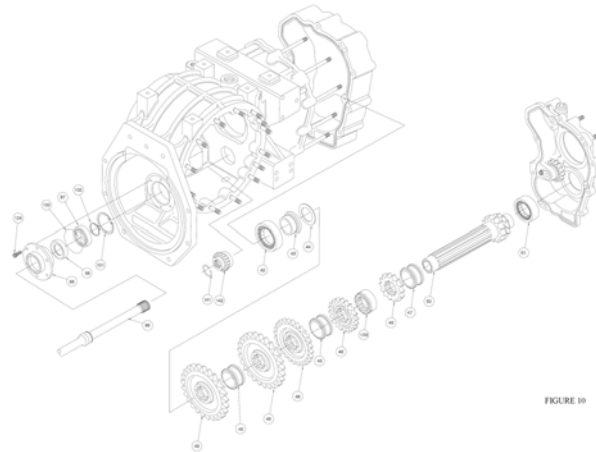
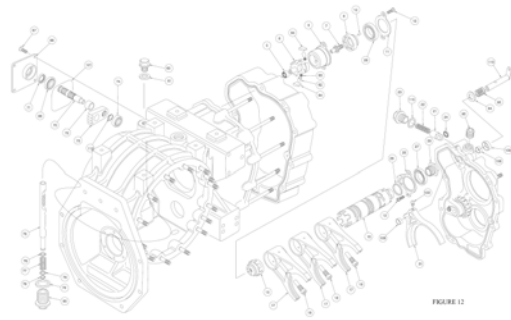


FIGURE 10



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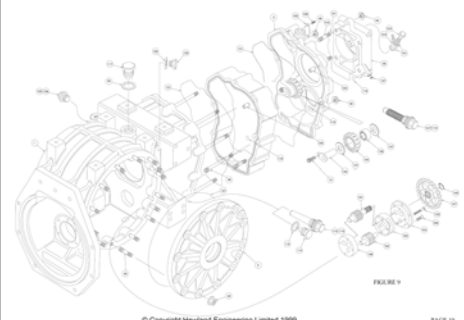
FIGURE 12  
PAGE 21

ITEM No	PART No	DESCRIPTION	QTY
5	BEA-015	NEEDLE ROLLER BEARING	1
6	TE-260-6A	DRUM SHIFTER	1
7	TE-260-4	SHIFTER SPINDLE	1
8	105-260-4	DRUM	1
9	NMT-260-5	GUIDE PLATE	1
10	HPM-7022	DOWEL	1
11	NMT-260-2	KEEP PLATE	1
12	HPM-9006	SOCKET CAP SCREW	5
13	TE-260-1	BARREL DRIVER	1
15	NLT-260	BARREL	1
17	SK-1504	SELECTOR FORK	3
18	TE-250-1	SELECTOR FORK PIN	3
21	105-206-4	PLUNGER	1
22	102-205-11	SPRING	1
23	TE-202-1	DETENT PLUG	1
24	BEA-059	ROLLER	1
25	NMT-202-1	BEARING RETAINING PLATE	1
26	TE-260-7	BARREL SPACER	1
27	BEA-037	BALL BEARING	1
28	HPM-8008	BALL BEARING	1
29	TE-260-5	BARREL BOLT	1
31	TE-249	REVERSE SELECTOR FORK	1
60	TGTA-206-2	SELECTOR RACK STOP	1
61	WSH-013	BONDED SEAL	1
62	HPM-7018	PLUNGER	2
63	HPM-7018-A	SPRING	2

ITEM No	PART No	DESCRIPTION	QTY
64	HPM-7017	PAWL	2
66	NMT-252-2	BEARING PLATE	1
67	LD-253-4	SOCKET COUNTERSUNK SCREW	4
68	BEA-051	BALL BEARING	1
70	NMT-252	SELECTOR INPUT SHAFT	1
71	HPM-8012	OIL SEAL	1
72	NMT-252-3	SPACER	1
73	NMT-252-1	QUADRANT GEAR	1
74	BEA-052	BALL BEARING	1
75	NMT-260-3	SELECTOR RACK	1
76	NLT-260-11	WASHER	2
77	102-260-9	SPRING	1
78	102-260-8	CIRCLIP	1
79	WSH-010	BONDED SEAL	1
80	NMT-202-2	SELECTOR RACK STOP	1
92	SPR-011	COMPRESSION SPRING	1
94	WSH-018	1/2" PLAIN WASHER	1
95	HPM-9034	1/4 BSP PLUG	2
108	BEA-038	BUSH	2
109	LIP-015	LIP SEAL	1
110	TE-246-1	REVERSE SELECTOR SHAFT	1
112	CIR-033	CIRCLIP	1
115	HPM-9042	BONDED WASHER	4
121	VG-201-9	SEALING STRIP	A/R
122	SCR-046	SCREW	1

ITEM No	PART No	DESCRIPTION	QTY
1	NMT-201	MAINCASE	1
2	NMT-202	BEARING CARRIER	1
3	NLT-205	SIDEPLATE	1
12	HP-N-9006	SOCKET CAP SCREW	5
36	NMT-204	END COVER	1
48	STU-019	STUD	8
49	NUT-004	NUT	12
52	NUT-011	NUT	14
53	STU-017	STUD	14
93	FGB-201-8	BONDED SEAL	1
104	TE-237-1	REVERSE IDLER	1
105	TE-237-3	REVERSE IDLER SPIGOT	1
106	HC-237-2	NEEDLE ROLLER BEARING	1
107	HC-237-4	THRUST WASHER	2
113	NLT-201-1	OIL FILTER BUNG	1
114	HPM-9004	MAGNETIC PLUG	1
115	HPM-9042	SEALING WASHER	4
116	ORI-001	O-RING	3
117	FGB-201-7	OIL PLUG	1
121	VG-201-9	SEALING STRIP	A/R
123	HP-M3-9015	DOWL	4
125	PLU-002	1/4 BSP HEX. HD PLUG	3
126	WSH-017	1/4 BSP BONDED WASHER	3
127	SCR-003	GRUB SCREW	1
128	HP-M-9062	SCREW	2
129	TE-201-4	BLANKING PLUG	1

ITEM No	PART No	DESCRIPTION	QTY
130	HPM-9037	BANJO BOLT	1
131	HPM-9038	WASHER	2
132	HPM-9039	BANJO BOLT	1
134	NLT-208	SPACER PLATE	1
135	NLT-208-A	BEARING SUPPORT PLATE	1
136	TGTA-208-1	ANTI ROTATION PLATE	2
137	SCR-023	CSK SCREW	4
140	NLT-265-3	OIL PUMP FRONT COVER	1
144	STU-050	STUD	4
145	DOW-007	DOWEL	5
146	HPM-9010	STUD	4
147	DGB-265-7	OIL PUMP DRIVEN GEAR	1
148	FGB-265-5A	CIRCLIP	1
149	FGB-265-2A	OIL PUMP END COVER	1
150	HP-O-1003	OIL PUMP COVER	1
151	HP-O-1006	OIL PUMP ROTOR DRIVER	1
152	HP-O-1007	OIL PUMP ROTOR IDLER	1
153	HP-O-1008	CAP SCREW	4
154	BEA-041	ROLLER BEARING	1
155	TGT-201-6	ROLLER BEARING	1
156	SCR-066	CSK SCREW	4
157	TE-266	OIL FILTER	1



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FOR OTHER PARTS- PLEASE ASK A MEMBER OF STAFF



### CV JOINTS

GKN CV joints are available as standard, motorsport and Gold joints. The Gold joints are lightweight and easy motion, with the following advantages:

- Over 20% lighter than most standard components.
- Improved heat dissipation due to machined outer race.
- Reduced friction within the internal components of the joint.
- Each joint is hand assembled by a GKN MotorSport Technician.
- Each joint is given a protective finish.

SIZE 10: 78mm PCD		
PART No:	DESCRIPTION	JOINT TYPE
301106	94mm OD, 32mm WIDE, 33 SPLINE, +/- 6mm PLUNGE	STANDARD JOINT
MS3J001	94mm OD, 32mm WIDE, 33 SPLINE +/- 6mm PLUNGE	MOTORSPORT JOINT
MS3J003	94mm OD, 32mm WIDE, 33 SPLINE, +/- 6mm PLUNGE	GOLD JOINT

SIZE 12: 86mm PCD		
PART No:	DESCRIPTION	JOINT TYPE
21561	100mm OD, 32mm WIDE, 25 SPLINE, +/- 8mm PLUNGE	STANDARD JOINT
MS3K023	100mm OD, 32mm WIDE, 25 SPLINE +/- 14mm PLUNGE	MOTORSPORT JOINT
MS3K020	100mm OD, 32mm WIDE, 25 SPLINE, +/- 14mm PLUNGE	GOLD JOINT
22407	100mm OD, 32mm WIDE, 33 SPLINE, +/- 8mm PLUNGE	STANDARD JOINT

SIZE 15: 94mm PCD		
PART No:	DESCRIPTION	JOINT TYPE
MS3N044	108mm OD, 32mm WIDE, 28 SPLINE, +/- 14mm PLUNGE	STANDARD JOINT
K3050	108mm OD, 32mm WIDE, 28 SPLINE +/- 8mm PLUNGE	STANDARD JOINT
MS3N015	108mm OD, 32mm WIDE, 28 SPLINE, +/- 8mm PLUNGE	GOLD JOINT
K3018	108mm OD, 40mm WIDE, 28 SPLINE, +/- 14mm PLUNGE	STANDARD JOINT
K3058	108mm OD, 40mm WIDE, 28 SPLINE, +/- 8mm PLUNGE	STANDARD JOINT
MS3N022	108mm OD, 40mm WIDE, 28mm SPLINE, 8mm PLUNGE	GOLD JOINT
MS3N014	108mm OD, 40mm WIDE, 28mm SPLINE, 14mm PLUNGE	GOLD JOINT

SIZE 10: 78mm PCD		
PART No:	DESCRIPTION	JOINT TYPE
MS3S001	115mm OD, 32mm WIDE, 30 SPLINE, +/- 8mm PLUNGE	STANDARD JOINT
MS3S002	115mm OD, 32mm WIDE, 30 SPLINE, +/- 8mm PLUNGE	WITH FIN CONTOUR

### TRIPODE JOINTS & HOUSINGS

GKN Motorsport lightweight, high efficiency tripod journals and housings.

- Significant weight reduction, over 30% lighter than most competitors equivalents.
- Very low plunge resistance and low wear rates.
- No running in required and simple component assembly.
- Raceproven design for many seasons from F1 through to Formula Ford and is available in various torque classes.

TRIPODE JOINTS		
PART No:	DESCRIPTION	APPLICATION
MS3H001	TRIPODE JOINT G169 22 SPLINE	F.FORD, F2000, F3 & F.ATLANTIC
MS3H002	TRIPODE JOINT G169 30 SPLINE	F.FORD, F2000, F3 & F.ATLANTIC
MS3M001	TRIPODE JOINT G182 27 SPLINE	TOURING CARS, F3000, GT & F1
MS3S003	TRIPODE JOINT G187 30 SPLINE	INDY, IMSA, GT & F1

TRIPODE HOUSINGS	
PART No:	DESCRIPTION
MS9H001	G169 HOUSING 62mm DEEP, 78mm PCD PAIRED HOLES
MS9H002	G169 HOUSING 44mm DEEP, 78mm PCD PAIRED HOLES
MS9H007	G169 HOUSING 40mm DEEP, 78mm PCD EQUAL DISTANCE HOLES
MS9H009	G169 HOUSING 40mm DEEP, 78mm PCD PAIRED HOLES
MS9H010	G169 HOUSING 32mm DEEP, 78mm PCD EQUAL DISTANCE HOLES
MS9M01-040	G182 HOUSING 40mm DEEP, 94mm PCD EQUAL DISTANCE HOLES
MS9M01-050	G182 HOUSING 50mm DEEP, 94mm PCD EQUAL DISTANCE HOLES
MS9M01-060	G182 HOUSING 60mm DEEP, 94mm PCD EQUAL DISTANCE HOLES

BOOTS	
PART No:	DESCRIPTION
MS6J002	SIZE 10, 94mm OD FAST BOOT
MS6K024	SIZE 12, 100mm OD FAST BOOT (STANDARD- WITH INDENTS)
MS6K023	SIZE 12, 100mm OD FAST BOOT (NO INDENTS)
MS6N001	SIZE 15, 108mm OD FAST BOOT
MS6H002	G169 TRILOBAL BOOT
MS6N011	SIZE 15, 108mm SWAGED FAST BOOT
MS6N017	CV BOOT RUBBER INNER
MS6S001	SIZE 18 CV BOOT
MS6S004	TRIPODE BOOT 68 X 27.6mm FOR G182 HOUSING
SLO BOO	100mm SWAGED SLOW BOOT

JOINT GREASE	
PART No:	DESCRIPTION
XP580	350g CV GREASE
XP595	350g TRIPODE GREASE



METALASTIC COUPLINGS (DONUTS)	
PART No:	DESCRIPTION
10-00644-01	3.78" PCD METALASTIC COUPLING
10-00645-01	4.4" PCD METALASTIC COUPLING
10-00642-01	5.25" PCD METALASTIC COUPLING



## TYRE PRESSURE GAUGES

Hand built to a high standard and protected by a rubber shock absorbing cover. Two types are available 0-40 P.S.I. (2.8 BAR) for racing and 0-60 P.S.I. (4 BAR) for road vehicles. A deflate button is standard and makes for easier re-pressuring of tyres.

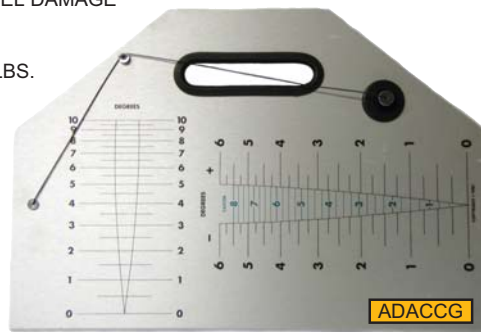
PART No:	DESCRIPTION
P4D	0-40 PSI TYRE PRESSURE GAUGE / DEFLATE
P6D	0-60 PSI TYRE PRESSURE GAUGE / DEFLATE



## CORNER WEIGHT GAUGES

- FULLY ADJUSTABLE
- EASY & QUICK TO USE
- AVAILABLE IN THE 'P' TYPE FOR USE WITH INSET WHEELS, OR THE 'O' TYPE FOR USE WITH WHEELS ('O' TYPE HAS THE OPTION OF A SPRING TESTER).
- SOFT CONTACT PAD TO AVOID SLIPPING AND WHEEL DAMAGE
- HEAVY DUTY CHROME PLATING
- PARALLELOGRAM ACTION
- CHOICE OF 4 WEIGHT RANGES: 400/600/1000/2000 LBS.

PART No:	DESCRIPTION
ADA400-P	400 LBS 'P' TYPE
ADA600-P	600 LBS 'P' TYPE
ADA1000-P	1000 LBS 'P' TYPE
ADA2000-P	2000 LBS 'P' TYPE
ADA400-O	400 LBS 'O' TYPE
ADA600-O	600 LBS 'O' TYPE
ADA1000-O	1000 LBS 'O' TYPE
ADA2000-O	2000 LBS 'O' TYPE



## CAMBER CASTOR GAUGE

PART No:	DESCRIPTION
ADACCG	QUICK & EASY TO USE
	MEASURES BOTH CAMBER AND CASTER ON ANY CAR
	CONSISTENTLY ACCURATE

## CALIPER PISTON SERVICE TOOL

PART No:	DESCRIPTION
ADACPT	REMOVES RACING CALIPER PISTONS WITH EASE
	LEAVES NO MARKS OR DEFORMATION
	SIMPLE TO USE

AVAILABLE FOR THE FOLLOWING SIZES; 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 1 7/8", 2", 2 1/4", 26mm, 36mm, 38mm, 40mm, 42mm



## RACETECH QUICK-LIFT JACK

This robust Quick Lift Jack is suitable for lifting all single seater racing cars. Superbly manufactured with welded joints, a hard wearing black powder coated finish, and non slip rubber mat. Supplied flat-packed.

PART No:	DESCRIPTION
RTQLJK	LENGTH: 34" LIFT HEIGHT: 10"



## DUNLOP TRACKING EQUIPMENT

For checking the camber and alignment of the wheels on the car. Has been around for years and is still the best on the market.

PART No:	DESCRIPTION
CG4	CAMBER GAUGE
CG4/5	CAMBER CASTOR GAUGE
AGO40	ALIGNMENT GAUGE
AGO40L	LASER ALIGNMENT GAUGE
CG6	STEERING TURNTABLES



## PAD SPREADER TOOL

PART No:	DESCRIPTION
ADAPS	QUICK CHANGE BRAKE PAD TOOL
	PARALLEL ACTION



## NON CONTACT THERMOMETER

- RANGE -50°C TO 500°C
- DISPLAY IN °C OR °F
- READING TIME: LESS THAN 1 SEC
- LASER POINTER FOR ACCURACY
- AUTO DATA HOLD
- LCD DISPLAY, BACKLIGHT
- AUTO POWER OFF
- TAKES PP3 9 VOLT BATTERY





# RACETECH



**New for 2009! - The Racetech resin seat foam kit**

The Race Tech Resin Foam Kit is based on the original beaded seat that became available in the early 1990's. The kit is made up from a micro poly-bead liner, a slow curing resin, a vacuum pump, mixing jug, mixing stick, funnel, safety user guide and detailed instructions.

The Race Tech seat is available in three different sizes: 30, 50 & 70 litres, which should cater for the majority of all championships and racing series, as well as considering each individual driver's weight differences, personal size and shape.

This particular product has a well established record and a very successful history in all category's of motorsport, including the very popular championships like:

Formula 1, A1 GP, GP 2, Formula Ford, Formula BMW, Formula Renault, BTCC Touring Cars, Champ Car, NASCAR, IRL and the Le Mans Series .... And the list goes on, it is endless.....

We offer a price structure that is very competitive, and offers real value for teams that require more than one kit.

**TWO PART FOAM KIT**

Two part foam kit for producing custom made seats, approximately 2 cubic feet per kit. **PART No: FOAM KIT**



**RACECAR NUMBERS/STICKERS**

AVAILABLE IN THREE STYLES WITH A CHOICE OF BACKGROUND SHAPE	
PART No:	DESCRIPTION
RPNUGP	G.P NUMBER SET 11"
RPRO	ROUNDED NUMBER SET 11"
RPNUSL	SLIMLINE NUMBER SET 11"
RPNUSLW	SLIMLINE NUMBER SET WHITE 11"
RPNU9	SLIMLINE NUMBER SET 9"
RPNU9W	SLIMLINE NUMBER SET WHITE 9"
RPNU	INDIVIDUAL NUMBERS 11"
RPNUW	INDIVIDUAL NUMBERS 11" WHITE
RPNU9	INDIVIDUAL NUMBERS 9"
RPNU9W	INDIVIDUAL NUMBERS 9" WHITE
RPNURO	ROUND WHITE BACKGROUND
RPSQ	SQUARE WHITE BACKGROUND
NOV STI	NOVICE STICKER
SAF STI	SAFETY STICKER SHEET
E STICKER	E (EXTINGUISHER) STICKER

**LASER ALIGNMENT**

Trak-rite's laser alignment gauge has the accuracy of laser alignment at the fraction of the cost. Precision Point's laser alignment gauge is simple to use, extremely accurate and high quality.



PART No:	DESCRIPTION
TRACK-RITE	LASER ALIGNMENT GAUGE
PPL40	LASER ALIGNMENT GAUGE

SLIMLINE 11"    ROUNDED 11"    GP STYLE 11"



**GOJAK CASTER SYSTEMS**

The GOJAK is used by most British and European Touring Car Teams and has proved invaluable in any situation where an unattended vehicle has to be moved (there is no need to unlock the car, or disengage the hand-brake). There is no jack like GOJAK. It's twin rollers slide around the tyre and squeeze upward, lifting the tyre off the ground in seconds with a few clicks of a pedal. Then low-friction casters let you spin, slide, sideload and position the car without damaging the car or the floor. Faster and safer than floor jacks, GOJAK cuts wasted time, and gives you back wasted space.



GOJAK	5000	6200
LOAD RATING:	1250 LBS PER UNIT	1500 LBS PER UNIT
MECHANISM(BOTH):	DOUBLE PAWL BI-DIRECTIONAL RATCHET.	
TYRE WIDTHS:	UP TO 9".	UP TO 13".
WHEEL DIA:	13" TO MOST LOW PROFILE 16".	13" TO 16".
UNIT WEIGHT:	30 LBS.	38 LBS

PART No:	DESCRIPTION
GOJAK	5000
GOJAK6	6200

## PIT BOARDS

ALLOY PIT BOARDS (HIGH VISIBILITY NUMBERS)	
PART No:	DESCRIPTION
PB3G	3 ROW PIT BOARD, GREEN NUMBERS
PB3R	3 ROW PIT BOARD, RED NUMBERS
PB4G	4 ROW PIT BOARD, GREEN NUMBERS
PB4R	4 ROW PIT BOARD, RED NUMBERS
PB3RNO	3 ROW NUMBER SET RED
PB3GNO	3 ROW NUMBER SET GREEN
PB4RNO	4 ROW NUMBER SET RED
PB4GNO	4 ROW NUMBER SET GREEN



**NOTE 1:** NUMBERS ARE ALSO AVAILABLE IN WHITE, YELLOW AND BLACK (RED BACKGROUND). PLEASE REPLACE R/G WITH 'W', 'Y' OR 'B' IN PART NUMBER ACCORDINGLY.

**NOTE 2:** TEAM OR DRIVER NAMES/LOGOS ARE AVAILABLE, PLEASE CALL WITH YOUR EXACT REQUIREMENTS.

K1 PIT BOARD (CARBON LOOK FRAME & STANDARD NUMBERS)	
PART No:	DESCRIPTION
PBK13	3 ROW PIT BOARD WHITE NUMBERS
PBK14	4 ROW PIT BOARD WHITE NUMBERS



Raceparts is a Lifeline recognised service and refill agent. We offer quick turnaround times for all your service requirements.

Hand Held extinguishers are supplied complete with a bracket and quick release strap for easy access.

Lifeline Zero 2000 systems are constructed using only the finest materials and are supplied complete with all the components required for a professional installation. These have performed supremely well in engine fire tests, and thus have the full approval of the MSA, FIA and SCCA. Complies with all the latest vehicle regulations. Zero 2000 is the latest and best extinguishant available now that Halon is an internationally banned substance.

AFFF HANDHELD	
PART No:	DESCRIPTION
201-100-001	1.0 LTR (NOT FOR MOTORSPORT)
201-100-002	1.75 LTR NATIONAL RALLY/ PRE 60 RACE CARS
201-100-003	2.4 LTR INTERNATIONAL RALLY
201-100-004	2.4 LTR WITH DIP TUBE (CAN BE INVERTED)
201-100-005	AS LLH004 BUT WITH SLIMLINE CYLINDER

ZERO 2000 MECHANICAL OPERATED SYSTEMS	
PART No:	DESCRIPTION
101-225-001	2.25 LTR CLUB FIRE MARSHAL
101-225-002	2.25 LTR FIRE MARSHAL
101-225-003	2.25 LTR FIRE MARSHAL SLIMLINE

ZERO 2000 ELECTRIC OPERATED SYSTEMS	
PART No:	DESCRIPTION
101-225-004	2.25 LTR SALOON RALLY SYSTEM
101-225-005	2.25 LTR FORMULA CAR SYSTEM
101-225-006	2.25 LTR SLIMLINE SALOON RALLY SYSTEM
101-225-007	2.25 LTR SLIMLINE FORMULA CAR SYSTEM

ZERO 2000 INTERNATIONAL SYSTEMS	
PART No:	DESCRIPTION
102-400-001	4 LTR STEEL MECHANICAL
102-100-002	4 LTR ALLOY MECHANICAL
102-100-003	4 LTR ALLOY ELECTRIC
102-100-004	4 LTR CARBON FIBRE ELECTRIC
102-312-001	3.12 LTR ALLOY ELECTRIC DUAL CHAMBER



ZERO 360 SYSTEMS	
PART No:	DESCRIPTION
104-225-001	2.25kg MECHANICAL FIA SYSTEM
104-225-002	2.25kg ELECTRICAL FIA SYSTEM
104-300-002	3.0kg MECHANICAL FIA SYSTEM
104-300-003	3.0kg ELECTRICAL FIA SYSTEM
203-100-101	1kg HANDHELD
203-100-102	2kg HANDHELD

**Zero 360** containing 2.25kg of gaseous extinguishant distributing 1.5kg to the engine and 0.75kg to the cockpit through six discharge outlets. Performing in a similar way to the now banned Halon (BCF) systems Zero 360 is **FIA** approved for use in international motorsport.





### PERCENT WEIGH

Displays setups to one hundredth of a percent!

Full 2 Year Warranty

MEMORY STORAGE

### E-Z WEIGH SCALES: 170125

- 15" x 15" x 2.5" (381 mm x 381 mm x 64 mm) Billet Pads
- 1,500 lb (700 kg) Pad Capacity
- 6,000 lb (2,800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 0.5" Display Characters
- Backlit Display
- Standard Rechargeable 9-volt Battery Operation
- Military Grade Cables & Connectors

### Laser Leveling System For Scale Pads

Part # 102018

Take all the guesswork out of leveling four weigh pads, roll off pads or drive-on setup racks. Laser sighting with virtually an unlimited range. Can be used with all scale systems.

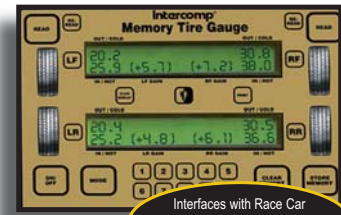


### Memory Tire Pressure Gauge

Part # 102058

Dual Display for Easy Viewing of All Pressures

- Backlit Display
- Operates on Standard 9-volt Battery
- Reads to 0.1 PSI
- Compensates for Barometric Pressure Changes
- Stores pressure OUT/COLD, IN/HOT & Calculates GAIN
- Stores 10 Complete Sets of Pressures IN/HOT, OUT/COLD & GAINS
- Standard Serial Output
- PSI, BAR and Kg/CM2



Interfaces with Race Car Management Software Part # 102065

### Digital Air pressure Gauge

(Factory Certified)  
Part # 360045 w/case

- Used by Most Top Racing Teams
- Quick & accurate Digital Gauge, 0.5" Display, Reading from 0 To 100 PSI in 0.1 Increments.
- Keypad Calibration, Push Button Zero, Peak Hold Function, Accuracy 0.1%.
- Thumb Operated Bleed Off, 22" Goodyear Hose With 45 Degree Swivel Chuck.
- Psi, Bar and Kg/Cm<sup>2</sup>



### Scale Pad Leveler With Roll-off Pad (one-piece)

Part # 170133 (Set of 4) for 2.5" profile pads  
Part # 170138 (Set of 4) for 4" profile pads

Designed to fit any 15" scale pad with either a 2.5" or 4" pad thickness. Enables the car to be rolled off the scale pad and back on with little effort. Aluminum construction. Dimensions: 31" x 15.5" (787 mm x 395 mm)



### Digital Caster/Camber Gauge with Backlight

- Indicates to 1/10° and has a ± 20° Caster/Camber Reading.
- Up To 10 Times Greater Accuracy than Traditional Competitors' Bubble Gauges.
- Standard 9 Volt Battery gives up to 100 Hours of Operation.
- Lightweight, Aluminum Design, with Auto Shutoff.
- Inclinator Mode for Pinion and Strut Angles.
- Built-in Diagnostic Mode for Resetting Camber Zero.



### Rim Clamp

Commercial grade clamp fits most any size rim. Rugged design with two types of clamps guarantees a secure fit. Use our Digital or Bubble Caster/Camber gauge with a magnetic adapter to complement this front end tool.



### High Accuracy Bubble Gauge

CNC Machined Aluminum Billet bubble Caster/Camber Gauge  
Part # 102010 - w/Case and Magnetic Adapter



CNC machined aluminum housing with easy-to-read bubble display. Measures -6 to +6° of camber and -8 to +8° of caster with 0.25 degree accuracy.

### TYRE & BRAKE PYROMETER KIT

- Displays All Four Tire Averages
  - Displays Tire Temperatures Simultaneously (Outside, Middle and Inside of Each Tire)
  - Stores 10 Sets of Tire and/or Brake Temperatures
  - Displays 4 Brake Temperatures and Calculates Front/Rear Bias
  - Measures Tire and Brake Temperature in any Sequence
  - Backlit Display
  - Standard Serial Output to Computer or Printer
  - Enter Tire Temperatures Automatically via the Tire Probe, or Manually via the Keypad
  - Tire Temperatures May Be Read in Either Fahrenheit or Celsius
  - Type K Mini Tire Probe
  - Operates on One (9v Alkaline Battery)
- Doubles as a 4-car 100 lap timing system with memory for easy recall!



Interfaces with Race Car Management Software Part # 102065

**MANY OTHER INTERCOMP PRODUCTS AVAILABLE**  
**- PLEASE ASK US FOR HELP -**

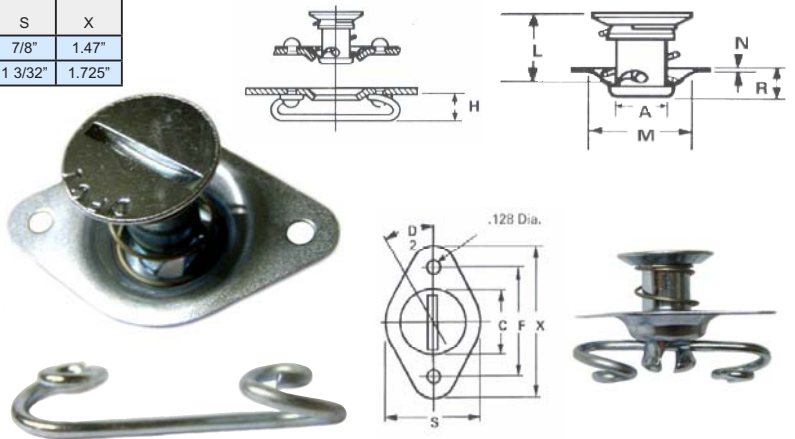


## EHF SELF EJECTING FASTENERS

Ejecting fasteners are designed for use on curved or contoured surfaces where ejection of the fastener is essential for removal of the top panel. The ejecting mechanism also gives an instant signal that the fastener is unlocked. EHF are available with flush head only. EHF5 ejecting fasteners use 'S5' springs and EHF6 use 'S6' springs. All EHF fasteners are zinc plated mild steel.

FASTENER TYPE	A	C	D	F	M	N	R	S	X
EHF5	5/16"	5/8"	30 DEG	1.06"	11/16"	0.022"	0.27"	7/8"	1.47"
EHF6	3/8"	3/4"	23 DEG	1.35"	7/8"	0.025"	0.31"	1 3/32"	1.725"

FASTENERS		SPRINGS 5-SERIES	
PART No:	SHAFT LENGTH = L	PART No:	SPRING CLEARANCE = H
EHF5-40	0.400"	S5-200	0.200"
EHF5-45	0.450"	S5-225	0.225"
EHF5-50	0.500"	S5-250	0.250"
EHF5-55	0.550"	S5-300	0.300"
EHF5-60	0.600"	S5-325	0.325"
EHF5-65	0.650"		
EHF5-70	0.700"		
EHF5-85	0.850"		
FASTENERS		SPRINGS 6-SERIES	
PART No:	SHAFT LENGTH = L	PART No:	SPRING CLEARANCE = H
EHF6-50	0.500"	S6-250	0.250"
EHF6-60	0.600"	S6-300	0.300"
EHF6-65	0.650"	S6-400	0.400"
EHF6-70	0.700"	S6-425	0.425"



To calculate the correct pairing of fastener and spring use the following formula:

Add together the thickness of both panels to be fastened and the spring clearance (Dim H). Subtract spring deflection ( 0.047" for 5 series, 0.062" for 6 series ). Then select the fastener with the nearest shaft length ( Dim L ).

## TL TOGGLE LATCHES

Toggle latches have the advantage of being a quick release fastener, with the benefit that they do not extend into the equipment being fastened.

**TL802** Series are narrow profile (15.5mm) latches and have their bases completely contained under the lever. They have a curved link for spring tension and are available in zinc or chrome plated finish or stainless steel to special

**TL100** Series are all high-strength latches and are provided with a threaded link for adjustable grip and holding tension. Also available with a manual secondary lock to prevent accidental release. Width 30mm.



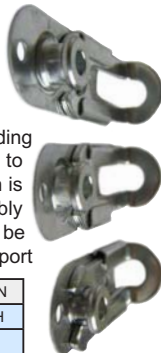
PART No:	DESCRIPTION
TL802A-5	CHROME PLATED LATCH
TL802-2	ZINC PLATED STRIKE
TL802B	ZINC PLATED LATCH
TL802-2-5	CHROME PLATED STRIKE

PART No:	DESCRIPTION
TL 100A	ZINC PLATED LATCH
TL 100AX	ZINC PLATED LATCH WITH SECONDARY LOCK
TL 100-5	ZINC PLATED STRIKE FOR BOTH LATCHES

## SLIDE LATCHES

This slide latch comprises a sliding bar which is supplied assembled to a housing / mounting plate which is riveted to the panel. This assembly engages onto a bush which can be riveted or screwed to the support member.

PART No:	DESCRIPTION
1500	SLIDE LATCH
150003	BUSH



## PANEX

The DZUS Quarter-Turn fastener range is one of the best known quick release fastening systems in the world today. Retention of the stud is achieved with either a plastic or steel retainer. The receptacle is either push-on, requiring minimal preparation, or rivet-on.

### Stud Part Number System

Diameter of stud. We stock the most popular 6mm diameter studs (Also available 4mm and 9mm diameter to order)

Head type. Slotted (1) or Ring Handle (4).

Length of stud. To obtain the length take the total thickness of both panels being fastened, and then add 7mm, e.g. the total thickness of both panels is 5.3mm, add 7mm for the receptacle, and then round up or down to the nearest mm, i.e. 12mm and insert this into the part number (see overleaf). Stock lengths from 09mm to 35mm.

Material & Finish. We only stock zinc plated steel (190).

STUDS RECEPTACLES & RETAINERS	
PART No:	DESCRIPTION
316 1** 190	ZINC PLATED, SLOTTED HEAD STUD (** = LENGTH)
316 4** 190	ZINC PLATED, RING HANDLE STUD (** = LENGTH)
336 400 190	RIVET-ON RECEPTACLE
336 300 190	PUSH-ON RECEPTACLE
326 100 040	6mm PLASTIC RETAINER
326 101 190	6mm STEEL RETAINER



## CAMLOC

**NB: LONGER STUDS AVAILABLE**

CAMLOC 1/4 TURN 2600 FASTENERS	
PART No:	DESCRIPTION
2600-1	0.76-1.51 SLOT HEAD
2600-2	1.52-2.27 SLOT HEAD
2600-3	2.28-3.03 SLOT HEAD
2600-4	3.04-3.80 SLOT HEAD
2600-5	3.81-4.56 SLOT HEAD
2600-6	4.57-5.32 SLOT HEAD
2600-7	5.33-6.08 SLOT HEAD
2600-8	6.09-6.84 SLOT HEAD
2600-9	6.85-7.61 SLOT HEAD
2600-10	7.62-8.37 SLOT HEAD

CAMLOC 1/4 TURN 26S8 FASTENERS	
PART No:	DESCRIPTION
26S8-1	0.76-1.51 CROSS HEAD
26S8-2	1.52-2.27 CROSS HEAD
26S8-3	2.28-3.03 CROSS HEAD
26S8-4	3.04-3.80 CROSS HEAD
26S8-5	3.81-4.56 CROSS HEAD
26S8-6	4.57-5.32 CROSS HEAD
26S8-7	5.33-6.08 CROSS HEAD
26S8-8	6.09-6.84 CROSS HEAD
26S8-9	6.85-7.61 CROSS HEAD
26S8-10	7.62-8.37 CROSS HEAD

TERRYS SPRING CLIPS AND HOOKS	
PART No:	DESCRIPTION
TER CLI	TERRY SPRING CLIP
TER HOO	TERRY HOOKS

CAMLOC RECEPTACLES	
PART No:	DESCRIPTION
212-12	SILICON BRONZE
V26R6-1AF	CADMIUM PLATE
99R10-01A1	ZINC ALLOY
2600-LW	RETAINING WASHER

PART No:	DESCRIPTION
03201 0407	1/4" X 0.7" PIP PIN
03201 0409	1/4" X 0.9" PIP PIN
03201 0410	1/4" X 1.0" PIP PIN
03201 0411	1/4" X 1.1" PIP PIN
03201 0413	1/4" X 1.3" PIP PIN
03201 0415	1/4" X 1.5" PIP PIN
03201 0419	1/4" X 1.9" PIP PIN
03201 0421	1/4" X 2.1" PIP PIN
03201 0510	5/16" X 1.0" PIP PIN
03201 0516	5/16" X 1.6" PIP PIN
03201 0520	5/16" X 2.0" PIP PIN
03201 0607	3/8" X 0.7" PIP PIN
03201 0611	3/8" X 1.1" PIP PIN
03201 0615	3/8" X 1.5" PIP PIN
03201 0617	3/8" X 1.7" PIP PIN
03201 0621	3/8" X 2.1" PIP PIN
03201 0626	3/8" X 2.6" PIP PIN
03201 0712	7/16" X 1.2" PIP PIN

CAMLOC SECONDARY LOCL LATCHES	
PART No:	DESCRIPTION
V951L041X1AGV	ZINC PLATED LATCH
V951L71AGV	ZINC PLATED STRIKE
V951L041X1BP	S/S LATCH
51L71BF	S/S STRIKE

## AEROCATCH KITS

The new aerodynamically efficient and aesthetically styled Aerocatch is setting new standards in panel fixing. Aerocatch's characteristics are ideally suited to the motorsport environment, being made from corrosion-free glass-reinforced thermoplastic and being very light in weight.

AEROCATCH KITS	
PART No:	DESCRIPTION
120-2000	PLUS FLUSH NON LOCKING
120-2100	PLUS FLUSH LOCKING
125-2000	FLUSH NON-LOCKING
125-2100	FLUSH LOCKING
120-3000	LIKE 120-2000, IN CARBON LOOK
120-3100	LIKE 120-2100, IN CARBON LOOK



BONNET PINS	
PART No:	DESCRIPTION
BON PIN	STEEL BONNET PINS
BPAB400	BLUE ALLOY
BPAG400	GOLD ALLOY
BPAR400	RED ALLOY
BPAS400	SILVER ALLOY
BPBA400	BLACK ALLOY
GE 62	RUBBER BONNET HOOK, SMALL
GE63	RUBBER BONNET HOOK, V LARGE



AIRCRAFT FILLER CAPS	
PART No:	DESCRIPTION
AIRFIL2	2", WITHOUT INTEGRAL FORGED NECK, NON LOCKING
AIRFIL2I	2", WITH INTEGRAL FORGED NECK, NON LOCKING
AIRFIL3	3", WITHOUT INTEGRAL FORGED NECK, NON LOCKING
AIRFIL3L	3", WITHOUT INTEGRAL FORGED NECK, LOCKING
AIRFIL3LI	3", WITH INTEGRAL FORGED NECK, LOCKING
AIRFIL4	4", WITHOUT INTEGRAL FORGED NECK, NON LOCKING
AIRFIL4L	4", WITHOUT INTEGRAL FORGED NECK, LOCKING

NECKS TO SUIT 4" CAPS	
PART No:	DESCRIPTION
AIRSPI2.25	ALUMINIUM FILLER NECK, 2 1/4"
AIRSPI2	ALUMINIUM FILLER NECK, 2.00"
AIR SCR6	6 SCREW PACK FOR CAPS
AIR SCR8	8 SCREW PACK FOR CAPS

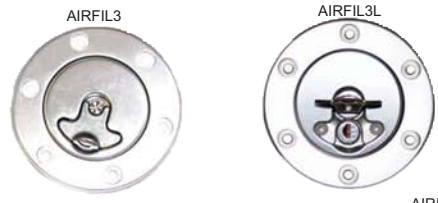
ENOTS - QUICK RELEASE FILLER CAPS AND BRASS TANK NECK	
PART No:	DESCRIPTION
32012000	ENOTS QUICK RELEASE FILLER CAP 2"
32022000	ENOTS QUICK RELEASE FILLER CAP 2 1/2"
32032000	ENOTS QUICK RELEASE FILLER CAP 2 3/4"
32272000	ENOTS QUICK RELEASE FILLER CAP 3 1/2"
MON4L	MONZA QUICK RELEASE 4"
32539061	TANK NECK 2"
32539062	TANK NECK 2 1/2"
32539063	TANK NECK 2 3/4"

FACET FUEL PUMPS - REGARDED AS THE BEST AVAILABLE	
PART No:	DESCRIPTION
SOL STA	SOLID STATE FUEL PUMP 4-6 PSI (1/8 NPTF)
40107	SOLID STATE FUEL PUMP 6-7 PSI (1/8 NPTF)
SIL TOP	SILVER TOP FUEL PUMP 4-5 PSI (1/8 NPTF)
RED TOP	RED TOP FUEL PUMP 6.5-7.5 PSI (1/4 NPTF)
PUM MOU	FACET FUEL PUMP MOUNTING KITS

FACET PUMP ADAPTORS	
PART No:	DESCRIPTION
FPA901	90° UNION, 1/8 NPTF X 8MM PUSH ON
FPA902/A	90° UNION, 1/4 NPTF X 8MM PUSH ON
FPA902/B	90° UNION, 1/4 NPTF X 10MM PUSH ON
FPA903/A	STRAIGHT UNION 1/8 NPTF X 8MM PUSH ON
FPA903/B	STRAIGHT UNION 1/8 NPTF X 6MM PUSH ON
FPA903/C	STRAIGHT UNION 1/8 NPTF X 10MM PUSH ON
FPA904/A	STRAIGHT UNION 1/4 NPTF X 8MM PUSH ON
FPA904/B	STRAIGHT UNION 1/4 NPTF X 10MM PUSH ON

INJECTION FUEL PUMP	
PART No:	DESCRIPTION
FP601	SYTEC INJECTION PUMP 7.0 BAR (8MM IN 8MM OUT)
FP603	SYTEC INJECTION PUMP 7.5 BAR (12MM IN 8MM OUT)
FP604	SYTEC INJECTION PUMP 8 BAR (12MM IN 8MM BANJO OUT)
TCP020/3	SYTEC INJECTION PUMP 8 BAR(-6 IN -6 OUT)
0580254044	BOSCH INJECTION PUMP 4.4 LTR/MIN (18X1.5MM IN BANJO OUT)
0580254909	BOSCH INJECTION PUMP 3.4 LTR/MIN (12MM IN BANJO OUT)
0580254979	BOSCH INJECTION PUMP 3.4 LTR/MIN (14X1.5MM IN 12X1.5MM OUT)

FUEL FILTERS AND REGULATORS	
PART No:	DESCRIPTION
PET KIN	PETROL KING, REGULATOR 8MM TAILS
FIL KIN	FILTER KING, FUEL FILTER 8MM TAILS
FPA906	BUDGET INLINE FILTER (SOL STA)
PRO804	SYTEC INLINE FILTER 6MM & 1/4"
PRO805	SYTEC INLINE FILTER 8MM & 5/16"
PRO 53	SYTEC PRESS. REGULATOR 6MM & 1/4"
PRO 54	SYTEC PRESS. REGULATOR 8MM & 5/16"
AIR004	ADJUSTABLE INJECTION VALVE 8MM TAILS
AIR006	AS ABOVE BUT WITH -6 JIC TAILS
FF572-06	LARGE CAPACITY FUEL/OIL FILTER -6
FF572-08	LARGE CAPACITY FUEL/OIL FILTER -8
FCV-06	ALLOY CHECK VALVE FUEL/OIL FILTER -6
FCV-08	ALLOY CHECK VALVE FUEL/OIL FILTER -8
5836B710	CAV FUEL FILTER UNITS
7111-296	CAV FUEL ELEMENTS



STAINLESS STEEL BRAIDED FUEL HOSE	
PART No:	DESCRIPTION
SPH2-4	1/4" BORE
SPH2-5	5/16" BORE
SPH2-6	3/8" BORE

FOR GOODRIDGE PUMP ADAPTORS SEE PAGES 16-21



ROLL-OVER VALVES	
PART No:	DESCRIPTION
TRL6	INLINE -6 / -6 THREAD
TRL7	INLINE 1/4" PUSH ON
TRL8	INLINE -6 THREAD / 1/4" PUSH ON
TRV66	-6 THREAD / 9/16" UNF
TRV67	1/4" PUSH ON / 9/16" UNF
TRV86	-6 THREAD / 3/4" UNF
TPV8	FUEL TANK PRESSURE RELIEF VALVE, -6 PUSH ON



Premier Fuel Systems offers a wide range of products, including standard FT3 approved fuel cells, FIA approved refuelling valves, and refuelling bottles and rigs. Details of some of these products are given here, but for prices and further information on the Premier Fuel Systems Range, please contact E-TECH racing.

### STANDARD FT3 APPROVED FUEL CELLS

Approved to the FIA FT3 standard. Fuel cells are available in 9 different capacities, and there are three types available: a standard plain cell with 2 pickup pipes, an internal collector & baffles pot version and a collector sump version. An aluminium case with retaining straps is also available. All cells are manufactured to Mil spec and come with safety foam. **Please note: cover plates cover separately.**



### TANK COVER PLATES

#### COVER PLATES HAVE:

- 2X -6 PICK UPS
- 1X -6 RETURN
- 1 X -6 BREATHER



45° : 2701CP  
90° : 2704CP

2703CP

2702CP

CAPACITY	DIMENSIONS	STANDARD	EXTERNAL SUMP	INTERNAL COLLECTOR	ALLOY CASE
10 LTR	200 x 200 x 260mm	0600FC	0640FC	0620FC	0660FC
15 LTR	254 x 240 x 260mm	0601FC	0641FC	0621FC	0661FC
20 LTR	387 x 210 x 260mm	0602FC	0642FC	0622FC	0662FC
30 LTR	510 x 241 x 260mm	0603FC	0643FC	0623FC	0663FC
45 LTR	510 x 345 x 260mm	0604FC	0644FC	0624FC	0664FC
60 LTR	635 x 390 x 260mm	0605FC	0645FC	0625FC	0665FC
80 LTR	625 x 510 x 260mm	0606FC	0646FC	0626FC	0666FC
90 LTR	710 x 510 x 260mm	0607FC	0647FC	0627FC	0667FC
100 LTR	800 x 510 x 260mm	0608FC	0648FC	0628FC	0668FC
120 LTR	910 x 510 x 260mm	0609FC	0649FC	0629FC	0669FC

### REFUELLING BOTTLES

Premier refuelling bottles are manufactured from blow moulded cross linked semi transparent polymer. Available in 20 or 25 litres, with or without vent and filler cap. **Outlet bends available separately.**

PART No:	DESCRIPTION
0303RB	20 LTR WITH MONZA FILLER CAP
0304RB	25 LTR WITH MONZA FILLER CAP
0305RB	20 LTR WITH 3/4" VENT
0306RB	25 LTR WITH 3/4" VENT
0307RB	20 LTR MONZA FILLER CAP + VENT
0308RB	25 LTR MONZA FILLER CAP + VENT
0360RB	15° OUTLET BEND
0361RB	15° OUTLET BEND
0362RB	45° OUTLET BEND
0365RB	90° OUTLET BEND



0303RB/0304RB



0307RB/0308RB



0320RB/0321RB

### FIA APPROVED REFUELLING VALVES

Premier refuelling valves are all FIA approved and are suitable for use with the refuelling bottles and rigs.

PART No:	DESCRIPTION
0001RV	1 1/2" MALE REFUELLING VALVE
0010RV	1 1/2" TWIN FEMALE REFUELLING VALVE
0012RV	1 1/2" FEMALE REFUELLING VALVE
0005RV	2" MALE REFUELLING VALVE
0007RV	2" FEMALE REFUELLING VALVE
0008RV	2" FEMALE REFUELLING VALVE W/MANIFOLD
0009RV	2" FEMALE TWIN REFUELLING VALVE
0011RV	2" FEMALE SINGLE REFUELLING VALVE ON TWIN FLANGE
0020RV	2" SINGLE POINT FILL/VENT REFUELLING VALVE MALE
0021RV	2" SINGLE POINT FILL/VENT REFUELLING VALVE FEMALE
0030RV	2" HISTORIC FEMALE REFUELLING VALVE
0031RV	HISTORIC MALE REFUELLING VALVE
0200RH	TWIN VERTICAL 2" VALVE HANDLE
0201RH	TWIN HORIZONTAL 2" VALVE HANDLE
0202RH	SINGLE 2" VALVE HANDLE
0203RH	SINGLE 1 1/2" VALVE HANDLE
0204RH	TWIN VERTICAL VALVE HANDLE 1 1/2"
0205RH	TWIN HORIZONTAL VALVE HANDLE 1 1/2"
0101RM	2" SINGLE SWAGED VALVE MANIFOLD
0102RM	2" TWIN SWAGED VALVE MANIFOLD
0105RM	2" SINGLE TWIN SWAGED VALVE MANIFOLD
0103RM	2" TWIN VALVE MANIFOLD
0100RM	1 1/2" SINGLE SWAGED MANIFOLD
0107RM	1 1/2" SWAGED MANIFOLD



0001RV/0005RV



0202RH/0201RH



0012RV 0008RV



0031RV 0030RV



0020RV

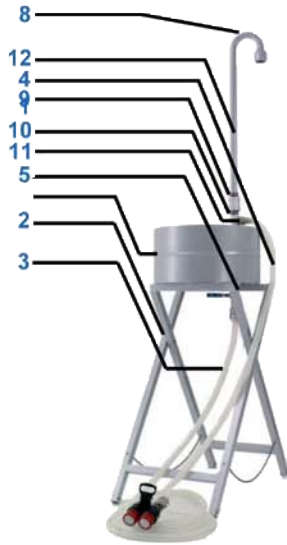


0102RM 0106RM 0107RM

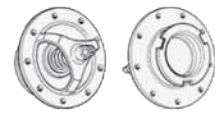


0010RV 0009RV 0011RV 0007RV

FIA APPROVED REFUELLING RIG		DRW No:
PART No:	DESCRIPTION	
0400RR	REFUELLING RIG ALUMINIUM TANK 200LT	1
0401RR	REFUELLING RIG LEG ASSEMBLY	2
0550HA	1 1/2" SMOOTH BORE FILL HOSE X 5M	3
0553HA	1 1/2" CONVOLUTED VENT HOSE X 5M	4
0403RR	REFUELLING RIG RESTRICTOR 33MM. FIA J 258-3	5
0426RR	REFUELLING RIG RESTRICTOR 29.5MM. FIA J 258	6
0427RR	REFUELLING RIG RESTRICTOR 38MM. FIA A/10	7
0406RR	REFUELLING RIG FLAME ARRESTOR	8
0404RR	DISCRIMINATOR VALVE	9
0507HA	-32 WILLANS CLIP X 2	10
0408RR	REFUELLING RIG FLAME TRAP MANIFOLD	11
0411RR	REFUELLING RIG FLAME TRAP 'U' SECTION	12
0402RR	REFUELLING RIG HEAT COVER	-
0420RR	REFUELLING RIG PIT LANE TROLLEY	-
0421RR	REFUELLING RIG PIT LANE TROLLEY AIR BOOM	-
0423RR	REFUELLING RIG SIGHT GAUGE. FIA J 258	-
0425RR	FIA VENT HOSE DRAIN BOTTLE	13



SNAPLOCKS / FUEL HOSES		
PART No:	DESCRIPTION	DRW No:
0512HA	SNAPLOCK TO 57mm HOSE	14
0513HA	SNAPLOCK DUST PLUG	15
0514HA	SNAPLOCK TO 1.5" HOSE	16
0515HA	SNAPLOCK 1.5" BSP MALE	17
0516HA	SNAPLOCK DUST CAP 1.5"	18
0517HA	SNAPLOCK 1.5" BSP FEMALE	19
0409RR	FIA 1 1/2" SELF CLOSING VALVE	-



## RACETECH REFUELLING EQUIPMENT

Our complete refuelling system is compatible with most modern single seater and historic racing cars.

### REFUELLING BOTTLE

A Polypropylene 20 litre hand held container is fitted with a flip filling monza cap on one end, with the Avery Hardoll dry break coupling on the other. Compatible with Racetech Avery Hardoll on car female coupling. Size: 12" X 12". Weight: 2.38 KG.

### REFUELLING COUPLING

Fitted to the car and compatible with the Avery Hardoll female component. A quick fill non-spill system used by many single seater teams.

PART No:	DESCRIPTION
DUM BOT	BOTTLE COMPLETE WITH ALLOY AVERY NECK EXTENSION, LESS AVERY HARDOLL COUPLING
AVE HAR	AVERY HARDOLL COUPLING
AVE SEA	COUPLING REPLACEMENT SEAL KIT
RTQF3	3.25" PCD 9 HOLE MOUNTING
RTQF4	4.00" PCD 9 HOLE MOUNTING

## AH FABRICATION FUEL TANKS

Aluminium and Titanium TIG welding specialist, 25 years experience. This is a small selection of products available. **Custom fuel tanks available. Please contact E-TECH racing for more details.** Tanks are filled with foam for safety and fitted with a splash tray around the filler neck.

PART No:	DESCRIPTION
023	1 GALLON 200 x 200 x 120mm
024	2 GALLON 200 x 240 x 200mm
025	3 GALLON 200 x 340 x 200mm
026	4 GALLON 150 x 490 x 250mm
010	5 GALLON 130 x 480 x 360mm
027	6 GALLON 150 x 600 x 300mm
028	8 GALLON 250 x 480 x 300mm
F9	9 GALLON 252 x 488 x 337mm
F10	10 GALLON 252 x 538 x 337mm
F11	11 GALLON 252 x 592 x 337mm
F12	12 GALLON 252 x 645 x 337mm

-TANKS ARE AVAILABLE WITH 6.5mm RETURN-

ROUND TANKS	
PART No:	DESCRIPTION
081	1 GALLON ROUND 240 x 155mm DIA
022	2 GALLON ROUND 280 x 205mm DIA
021	7 GALLON ROUND 178 x 480mm DIA
120	D-SHAPE 6.2 GALLON 480 x 340 x 240mm

-TANKS ARE AVAILABLE WITH 6.5mm RETURN-

OIL CATCH TANKS	
PART No:	DESCRIPTION
001	3 LTR 200 x 150 x 100mm
002	2 LTR 200 x 100 x 100mm
072	1.5 LTR 200 x 150 x 50mm
156	1 LTR ROUND
157	1.5 LTR ROUND



## FUEL TANK FOAM

Fuel tank safety foam, reduces surge and risk of tank explosion. Required by FIA.

PART No:	DESCRIPTION
S105	YELLOW TANK FOAM FOR PETROL
S102	BLUE TANK FOAM FOR DIESEL & METHANOL



## FUEL FUNNEL WITH INTEGRAL FILTER

Large 14" opening for easy filling, 3 step spout that can be cut to match your flow needs. The filter has a 60 micron stainless steel screen with o-ring. Made to last from tough durable plastic.

## TUFF JUG

20 litre capacity, Dry Break fuel cap to prevent spillage. Auto shut off: fuel shuts off when it reaches the end of the spout or when pressure is released (jug also available with standard pouring spout). Slip resistant bottom. Fast flow rate (approx. 18litres per minute). Fuel level marks at 5 litre increments. High quality polythene plastic. Available in red, white, blue or yellow. **PART No.** TUFF JUG



The first Willans safety harness for a Formula One Car was designed and manufactured in 1968, and since that date the company has continued as a supplier of safety harnesses to many F1 World Champions in this highly demanding sector of the motorsport industry.



**(A) CLUB 6** 6 point single seater harness with turn buckle quick-release mechanism. 3" shoulder straps, 3" lap straps. With anti-creep adjusters & loop & 'D' ring crutch strap - FIA Approved. Also available with 3" shoulder straps, 2" lap straps & 3" load spreader waist pads.



**(B) SILVERSTONE 6** 6 point single seater harness with turn buckle quick-release mechanism. 3" shoulder straps & 3" lap straps. With aluminium alloy adjusters on shoulder straps & loop & 'D' ring crutch strap. FIA & SFI Approved. Also available with 3" shoulder straps, 2" lap straps & 3" load spreader waist pads. Can also be purchased with 4 alloy adjusters, or Hans only shoulder straps.



**(C) SILVERSTONE 6 LIGHTWEIGHT** As above but extremely lightweight weighing 1.09kg, as used currently by 2 Formula 1 teams.



**(D) CLUB 4 x 4 SALOON** 4 point saloon harness with turn buckle quick-release mechanism. 3" shoulder straps, 3" lap straps & steel adjusters on shoulder straps and lap straps. Also available with 2" lap straps and also with shoulder strap roll bar loop. FIA Approved.



**(E) CLUB 6 x 6 SALOON** 6 point saloon harness with turn buckle quick-release mechanism. 3" shoulder straps, 3" lap straps & loop & D ring crutch strap. Comes with steel adjusters on shoulder straps and lap straps. Also available with 2" lap straps and also with shoulder strap roll bar loop. FIA Approved.



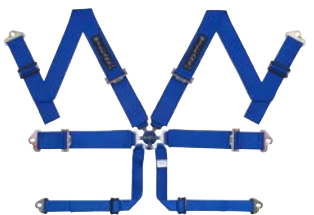
**(F) LDT6** 6 Point saloon with turn buckle quick-release mechanism fixed to a T crutch strap with 3" shoulder and 3" lap straps. Comes with steel adjusters on shoulder and lap straps and is also available with a shoulder strap roll bar loop. FIA Approved.



**(G) LDV6** 6 Point saloon with turn buckle quick-release mechanism fixed to a V crutch strap with 3" shoulder and 3" lap straps. Comes with steel adjusters on shoulder and lap straps and is also available with a shoulder strap roll bar loop. FIA Approved.



Both LDT6 and LDV6 are available with alloy adjusters. Add Silverstone before part number.



**(H) CATERHAM/WESTFIELD** 4 point harness with turn buckle quick-release mechanism. 3" shoulder straps, 3" or 2" lap straps & anti-creep adjusters. Westfield and Caterham type fitted with pull-down reverse lap strap adjusters. FIA & SFI Approved. Caterham/Westfield Harnesses are available with a push button release mechanism and 2" shoulder and lap straps (not FIA approved). Add Super Sport before part number.



**(I) HANS USE ONLY SILVERSTONE 6 SINGLE SEATER** 6 point single seater harness with turn buckle quick-release mechanism. 2"-3" shoulder straps & 3" lap straps. With aluminium alloy adjusters on shoulder straps & loop & 'D' ring crutch strap. FIA & SFI Approved.

HANS devices are now required in most circuit racing and rally championships (eg F1, WRC, WTCC, F3000, Nascar, IRL, Champ Car, DTM, GT International, etc..) and are highly recommended by the FIA even when they are not mandatory.



The HANS device has established itself as a fundamental component of driver safety as tests have shown it reduces the risk of neck and spinal injury in the event of sudden and violent decelerations often experienced in racing related impacts.

This is only a selection of the most common harnesses available from Willans. Please contact E-TECH racing for the full range.



ACCESSORIES			
PART No:	DESCRIPTION	PART No:	DESCRIPTION
EYE BOL	1" EYE BOLT	SHO PAD3	3" BLUE SHOULDER PADS
EYE BOL2	2" EYE BOLT	SHO PADR	2" RED SHOULDER PADS
ANC PLA	ANCHOR PLATE	SHO PAD3R	3" RED SHOULDER PADS
SHO PAD	2" BLUE SHOULDER PADS	SHO PAD3BL	3" BLACK SHOULDER PADS





## RACETECH HARNESSSES

E-TECH racing (SE) is the motorsport distributor for Securon competition seat belts. There are 2 seat belts available from Securon. The first is a universal seat belt, suitable for most applications, except single seaters. These top quality seat belts comply with the latest FIA regulations and are very competitively priced. The belt is available either as 4 point or 6 point, and features 2 lightweight adjusters on each shoulder strap and a lightweight aircraft style buckle. Fixing is snap hook and eye bolt (eye bolts must be purchased separately). All belts have 3" shoulder and lap straps. The 6 point belt has 2" crutch straps. Also available is an adaptor for attaching the shoulder straps to a roll cage or bar.

RACETECH / SECURON UNIVERSAL HARNESS	
PART No:	DESCRIPTION
693/4PTBLK	3" HARNESS BLACK FIA 4 POINT
693/4PTBLU	3" HARNESS BLUE FIA 4 POINT
693/4PTRED	3" HARNESS RED FIA 4 POINT
694/6PTBLK	3" HARNESS BLACK FIA 6 POINT
694/6PTBLU	3" HARNESS BLUE FIA 6 POINT
694/6PT	3" HARNESS RED FIA 6 POINT
681/5	SHOULDER STRAP ADJUSTER

**New for 2009** is a fully FIA approved single seater harness produced for Racetech by Securon. This is a 6 point harness with 3" shoulder and lap straps and 2" loop and 'D' ring crutch straps (easily adjusted yet totally secure). The harness again features lightweight adjusters and a lightweight aircraft style buckle. This is a bolt-down harness. All Racetech/Securon seat belts are fully FIA approved and are available in red, blue and black. We are currently looking for distributors.

RACETECH / SECURON SINGLE SEATER HARNESS	
PART No:	DESCRIPTION
696/6PTBLK	3" HARNESS BLACK FIA 6 POINT
696/6PTBLU	3" HARNESS BLUE FIA 6 POINT
696/6PTRED	3" HARNESS RED FIA 6 POINT



# Sabelt®

## SABELT HARNESSSES

Sabelt has been putting quality first for thirty years, manufacturing products that are synonymous with high performance and maximum safety. All harnesses are fully FIA approved. For part numbers, add '904' for red, '902' for black, and '901' for blue (e.g. 902605 = 6 point formula harness black).



6 point formula harness. 3" shoulder straps 2" lap straps. Snap hook mounts. Lightweight adjusters. **PART No. \*\*\*605**



6 point formula harness. 3" shoulder 3" lap straps. Bolt down mounts. Lightweight adjusters. **PART No. \*\*\*604**



6 point saloon harness. 3" shoulder 3" lap straps. Snap hook mounts. Lightweight adjusters. **PART No. \*\*\*600**



4 point saloon harness. 3" shoulder 3" lap straps. Snap hook mounts. Lightweight adjusters. **PART No. \*\*\*570**



4 point saloon harness. 3" shoulder 3" lap straps. Snap hook lap, roll bar shoulder mounts. Lightweight adjusters. **PART No. \*\*\*571**



4 point saloon harness. 3" shoulder 3" lap straps. Snap hook mounts. Standard adjusters. **PART No. \*\*\*183**



4 point saloon harness. 3" shoulder straps 2" lap straps. Snap hook mounts. Lightweight adjusters. **PART No. \*\*\*118**



6 point saloon harness. 3" shoulder 3" lap straps. Snap hook mounts. Standard adjusters. **PART No. \*\*\*217**

## ELECTRIC PARTS

MASTER SWITCH - FOR ISOLATING THE ELECTRICAL SYSTEM		
PART No:	DESCRIPTION	DRW No:
RPMS002	MASTER SWITCH, REMOVABLE KEY, ALTERNATOR PROTECTION, FIA APPROVED	1
RPRES	SPARE RESISTOR FOR ROMS002	2
14205-00	'HELLA' TYPE MASTER SWITCH	3
14205-01	SPARE KEY FOR 'HELLA' TYPE MASTER SWITCH	4
SSB106	LUCAS BATTERY SWITCH 'T' HEAD	5
SW 50	LUCAS STYLE BATTERY SWITCH 'T' HEAD	-
SSB103	LUCAS BATTERY SWITCH ROUND KNOB	-

MISCELLANEOUS SWITCHES, BUTTONS & LIGHTS		
PART No:	DESCRIPTION	DRW No:
13320100	LUCAS STARTER BUTTON	6
721	MERIT STARTER BUTTON	7
635H	TOGGLE SWITCH ON SPRUNG / OFF	8
631H	TOGGLE SWITCH ON / OFF	8
639H	TOGGLE SWITCH ON / OFF / ON	8
U851	ALL WEATHER BOOT FOR 63*H SWITCHES	9
MO 738	TOGGLE SWITCH WITH AIRCRAFT STYLE FLIP COVER	10
MO 742	AIRCRAFT STYLE FLIP COVER ONLY	-
422228	MOMENTARY SWITCH WITH RED BUTTON	11
LON 4549	LONGACRE START SWITCH	12
MO 750	WARNING LIGHT BLUE 17mm BLACK RIM	13
MO 751	WARNING LIGHT AMBER 17mm BLACK RIM	14
MO 752	WARNING LIGHT GREEN 17mm BLACK RIM	15
MO 753	WARNING LIGHT RED 17mm BLACK RIM	16
CHROME RIM WARNING LIGHTS ARE ALSO AVAILABLE		

PART No:	DESCRIPTION	DRW No:
SB175	JACK PLUG HALF LARGE (RED)	17
SB175 GREY	JACK PLUG HALF LARGE (GREY)	-
SBX175	LARGE JACK PLUG HANDLE (GREY)	-
SBX175R	LARGE JACK PLUG HANDLE (RED)	18
SB50	JACK PLUG HALF SMALL (GREY)	-
SB50 RED	JACK PLUG HALF SMALL (RED)	19
SBX50	SMALL JACK PLUG 'T' HANDLE (RED)	20
W-944	TERMINAL SET FOR SB175'S	-
LH-SB175-EC	SB175 COVER	21
LH-SB175-SL	SB175 SLEEVE	22



**RACETECH:** A high intensity 52mm red LED cluster housed in a waterproof plastic case, comprising of 50 superbright GaAlAs LEDs with a maximum luminous intensity of 23000mcd. All units include reverse polarity protection and a circuit that offers protection against higher voltages encountered where an alternator is fitted. These lamps **meet FIA specification** for single-seater use. Also available now is a version adapted for use with a 9 volt battery.

**LIFELINE:** Developed for use in international motorsport. This rain lamp is fully approved by the MSA and FIA. Vibration proof and water proof.

PART No:	DESCRIPTION
RL01	12V RACETECH RAIN LIGHT
RL9V	9V RACETECH RAIN LIGHT
421-100-001	12V LIFELINE RAINLIGHT



## CIRCUIT BREAKERS

### ETA SERIES 2-5700-DD

Manual reset combining push/push operated switch. 2 colour button clearly identifies the tripped on/off position. 5, 10, 20, 25, 30 amp rating available

LUCAS COIL	
PART No:	DESCRIPTION
DLB105	LUCAS SPORTS COIL

A common modification for older sports cars, the uprated coil allows for a bigger spark and often allows you to increase the size of the gap on the spark plugs, giving a better burn and more power.



LUCAS COIL



MSD Ignition Controls are known worldwide for their performance and reliability. There is an Ignition Control for every application, from daily driver to full race car, so the vast range of products available from MSD Ignition can not be covered completely. Below is a small selection of MSD Ignition products. For prices, further information and advice on these, or any other MSD Ignition product, please call E-TECH racing.

## HIGH PERFORMANCE IGNITION

### MSD 5 IGNITION

This is an entry level multiple spark ignition control, designed to be used on standard vehicles with minor performance upgrades. Below 3,000 RPM the MSD produces a series of sparks, ensuring that the fuel is burned completely, which provides more power, smooth idle, quick starts and overall driveability improvements. The MSD 5 can be used with points or electronic amplifiers on later cars. Not for use with magnetic pickup distributors or distributorless systems. **PART No. 5200**

### MSD 6A IGNITION

The 6A is the base model multiple sparking, capacitive discharge (CD) ignition control. The 6A produces high energy multiple sparks which provide benefits such as easier starting, reduced plug fouling, more power and increased fuel economy. Like all MSD 6 Ignitions the 6A works with almost all 12-18 volt vehicles. It can be used with points, a magnetic pickup or an electronic amplifier. This system does not have and cannot accept a rev limiter. **PART No. 6200**

### MSD 6AL IGNITION

The 6AL shares the same proven circuitry of the 6A but with an adjustable rev limiter. Powerful sparks and Soft Touch Rev Control make this the most popular ignition control in the range. The RPM limit is adjustable in 100RPM increments. When the engine reaches your selected limit, the system begins dropping the spark to various cylinders. The result is smooth and accurate limiting without backfires or roughness. The Soft Touch Rev Control also allows you to add RPM accessories such as the Two Step Rev Control. This enables you to set two RPM limits, one for a holeshot RPM and another for overrev protection. The 6AL is supplied with modules for 3,000, 6,000, 7,000 and 8,000RPM. **PART No. 6420**

### MSD DIGITAL-6 PLUS IGNITION

The Digital-6 Plus Ignition Control combines terrific power, digital accuracy and great accessories, making it ideal for street and strip applications. The Digital-6 Plus has a built in two step rev control, single stage retard, adjustable start retard and a diagnostic LED. Below 3300RPM the system produces a series of sparks that burn in the cylinder for up to 20° of the crankshaft rotation. The heat produced ensures efficient combustion which gives very good power, quick throttle response, smooth idle and quick starts. **PART No. 6520**

## COILS

### BLASTER HIGH VIBRATION COIL

This is a coil for harsh conditions (e.g. off-road or marine). The sturdy metal housing is completely potted with a premium grade epoxy to completely encase the coil's primary and secondary windings. This protects the coil from high and low frequency vibrations. **PART No. 8222**

### BLASTER 2

The special windings of the Blaster 2 provide lower resistance and an improved turns ratio to produce a high voltage output and a powerful spark. **PART No. 8202**

### BLASTER SS

The efficient E-core windings of this coil are designed to produce high amounts of current without sacrificing the voltage output. The secondary windings are wound on a segmented bobbin which reduces the chance of voltage breakdown between the primary and secondary windings. For more protection these windings are encased in a polyurethane compound for complete protection against vibration. The Blaster SS features brass terminals and a sturdy Rynite housing. It is supplied with a 90° boot, terminal and vibration mounts. **PART No. 8207**

### BLASTER HVC II

This coil is designed to be used with the 6 Series and SCI Series Ignition Controls. It has an iron U-Core design with a segmented bobbin for improved voltage distribution. The bobbin is moulded from a special Dupont Rynite material and wound specifically to produce the most current possible with very high voltage and quick rise time. The housing is also moulded from high dielectric Rynite material. The brass primary terminals are spaced wide apart and the secondary tower is well protected for increased spark isolation. The housing is completely potted with an epoxy compound for vibration resistance. **PART No. 8253**



### KEY FEATURES

- 32 Channels
- Internally Mounted GPS
- Internal 3 Axis G Meter
- 512MB microSD Memory Card
- Programmable Shift Lights
- Programmable Warning Lights With On Screen Warning
- 24 Programmable Sensor Inputs On 4 Pages
- Programmable 5 Character Channel Name
- Gear Indicator
- Predictive Lap Time
- Prop Slip and Prop Speed for Boats
- Power/Ground/Engine RPM/
- External Programming Buttons Harness
- Speed, Lap Time, Lap No. From GPS
- Downloaded Data Provides Track
- Mapping, Segment Times, Data Reports
- Includes Datalink Data Analysis Software and Installation Manual
- Metric / Imperial Configurable



The IQ3 dash represents an entirely new concept in data logging dashes. By placing the 32 channel data logger, 512 MB memory card, GPS board and 3 axis G meter inside the dash, every feature of the data system is now located in one central location.

And, when that 32 channel data logger is one of Racepak's exclusive smart sensor type, that means that only one small cable will transmit the data from all the sensors to the rear of the dash.

### THE MAIN BENEFITS:

- No external data logger necessary
- No bulky, heavy sensor wiring harness
- No beacon transmitter or receiver necessary for lap time data
- No wheel speed sensor necessary. GPS provides speed and track mapping





**DATA LOGGERS CONTINUED**

**G2X Data Logger**

The G2X is a GPS based Data Acquisition System developed by Racepak for MSD. The G2X is a compact but robust data logger that benefits from Racepak's 20+ years of motorsports data system design and construction. Many features of Racepak's professional data systems were incorporated into the G2X, making it accurate, dependable and easy to use data logger.

**PART No.** G2X



**TECHNICAL SPECS**

**Weight:**

Logger only weight = 370g  
entire kit weight = 810g

**Memory:**

128MB compact flash - up to 512MB may be used, Approx 25hrs of data with no external sensors in use

**GPS Aerial:**

Magnetic base, SMA connector

**Automated Logging**

Logging starts at 25mph (can be changed)  
Logging stops when no speed is detected for 30 seconds  
Does not overwrite existing data  
Allows for multiple runs without downloading data

**Internal Sensors**

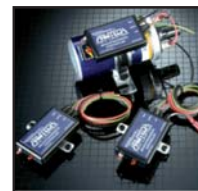
100Hz lateral & longitudinal accelerometers -5/+5G  
4Hz GPS board combines with accelerometer for mapping data  
Battery voltage & engine RPM



Armtech Motorsport Electronics products use the latest microprocessor technology, giving high reliability and ease of use. Rev limiters and the Speed Shift System are user-adjustable to any engine speed up to 54,000 sparks/minute, and are compatible with all 12 volt, negative earth contact breaker systems, optical breaker systems, transistorised and ECU ignition systems. Rev limiters use the Intelligent Misfire System for smooth, safe limiting action. **For further information on the products below or products not listed, please call E-TECH racing.**

**REV LIMITERS**

Armtech rev limiters are precisely controlled to provide effective protection against over-revving of performance engines. The unit is easy to install and allows the rev limit speed to be set quickly at any time. The system can be supplied as a coil-mounted kit, or a panel/bulkhead-mounted kit. The rev limiter is also available with the Full Throttle Gear Shift Facility, allowing the driver to change gear without lifting off the throttle (this system is panel-mounted).



**SPEED SHIFT**

The Speed Shift provides Full Throttle Gear Shifts, shift Up (red) and shift Down (green) lights and a rev limiter. The Full Throttle Gear Shift Function allows for engine speed to be precisely maintained and for quicker gear shifts. The system is easy to install and the four functions are simply set up at the touch of a button. This system can be enhanced with a launch control Switch.



**HYBRID BATTERY ISOLATOR**

This product was designed with an emphasis on reliability and high power capacity. The unit is compact, rainproof, shockproof and it can be chassis mounted, so long lengths of high current cable are not necessary. Capacities: 1000 amps instantaneous, 250 amps sustained

**SHIFT LIGHT**

Features an integral, remote mounting ultra-bright light as well as an output driver for any other indicator or 12 volt alarm or buzzer. User adjustable to any engine speed up to 54,000 sparks/minute. The shift speed is quickly set at any time, using one finger and with the engine running at 1/2 shift speed.

**LAUNCH CONTROL SWITCH**

A steering wheel mounted, waterproof push-button switch, providing an extra manual rev limiter to reduce wheel-spin off the start line when used in conjunction with the Speed Shift or a rev limiter.

PART No:	DESCRIPTION
15RL01	REV LIMITER COIL MOUNTED
15RL02	REV LIMITER PANEL MOUNTED SINGLE COIL
15RL03	REV LIMITER PANEL MOUNTED TWIN COIL
15RL04	REV LIMITER FULL THROTTLE SINGLE COIL
15RL05	REV LIMITER FULL THROTTLE TWIN COIL
10SS01	SPEED SHIFT SINGLE COIL
10SS02	SPEED SHIFT TWIN COIL
80LC01	LAUNCH CONTROL SWITCH
20SL01	SHIFT LIGHT
70BC06	BATTERY ISOLATOR

# OMEX

PERFORMANCE ELECTRONICS

Omex has 10 year's experience in the field of engine management systems and performance electronics. Omex microprocessor based rev limiters and shift lights feature their method of calibration where rev limit or shift point is set independently of the car's tachometer, eliminating instrument error. Digital timing ensures response within 1 engine revolution. The unit measures 82mm x 40mm x 22mm, is flame-retardant, and has a safety feature which prevents changes from being made while the engine is running. All shift lights are compatible with 2, 4, 6 and 8 cylinder engines, distributorless ignition and CDi systems with a tach output. **For further information on the products below or products not listed, please call E-TECH racing.**



### REV LIMITER CLUBMAN

This rev limiter provides one of the smoothest engine cuts of any aftermarket system available, featuring user-selectable hard or soft cut. The shift point can be set from 1,000 RPM to 20,000 RPM (2 & 4 cylinder), 12,000 RPM (6 cylinder) and 10,000 RPM (8 cylinder). Not suitable for CDi ignition systems. This system is also available with LAUNCH CONTROL. This is an additional lower rev limit (operated by a push-button) for reducing wheel-spin at the start line. The button is waterproof and it can be mounted on the steering wheel, dashboard or gear knob.

PART No:	DESCRIPTION
RLC	REV LIMITER CLUBMAN
RLCT	REV LIMITER CLUBMAN TWIN COIL
RLCLC	REV LIMITER CLUBMAN WITH LAUNCH CONTROL
RLCLCT	REV LIMITER CLUBMAN WITH LAUNCH CONTROL, TWIN COIL



### SHIFT LIGHT SEQUENTIAL/PRO

The SEQUENTIAL system has 4 high-power coloured LEDs in an external unit. The LEDs light incrementally as the shift point is approached, and can be programmed to light at intervals of between 0 and 600 RPM per LED from the shift point. The shift point can be set from 2,000 RPM to 20,000 RPM (2 & 4 cylinder and distributorless ignition systems), 12,000 RPM (6 cylinder) and 10,000 RPM (8 cylinder). The PRO system uses an ultra-bright, dash-mounted LED. The shift point can be set from 1,000 RPM to 20,000 RPM (2 & 4 cylinder and distributorless ignition systems), 12,000 RPM (6 cylinder) and 10,000 RPM (8 cylinder).

PART No:	DESCRIPTION
SLS	SHIFT LIGHT SEQUENTIAL
SLP	SHIFT LIGHT PRO



### SPEED SYSTEM

The Speed System combines a rev limiter and shift light, and uses an external ultra-bright 10mm LED which can be dash-mounted. The system uses Omex soft-cut technology and operates from 3,000 RPM to 20,000 RPM (2 & 4 cylinder), 12,000 RPM (6 cylinder) and 10,000 RPM (8 cylinder). Not suitable for CDi ignition systems.

PART No:	DESCRIPTION
SYS	SPEED SYSTEM
SYST	SPEED SYSTEM TWIN COIL

## MONIT RALLY COMPUTERS

Monit rally computers are carefully designed and tested to meet the demands of modern rallying. As used by top rally teams worldwide. With its large graphics screen and intuitive mobile phone style user interface the Monit computer is extremely easy to use. Common functions are easily accessed, whilst calibration is simple and convenient.

### TC 100

#### SPECIFICATIONS:

- WEIGHT = 100g
- DIMENSIONS = 57x116x20MM
- OPERATING TEMP = -10 TO +70 DEG C
- ACTIVE ELECTRONIC SURGE PROTECTION
- LARGE ANTI GLARE BACKLIT DISPLAY
- ROBUST POLYMER CASING
- 12V OPERATING VOLTAGE

#### MAIN FEATURES

- DUEL DISTANCE COUNTERS
- CURRENT SPEED READOUT
- MAXIMUM SPEED
- STOPWATCH
- 0-100KPH SPRINT TIMER
- SIMPLE CALIBRATION
- 2 X SELECTABLE REMOTE RESETS
- FREEZE FUNCTION & REVERSE FUNCTION
- COUNTING UP OR DOWN, MILES OR KMS
- ENTER/PRESET DISTANCES



**NEW FOR 2009 IS THE TC 200, USING THE SAME CASE AS THE TC100, AND WITH ALL OF THE FEATURES OF THE TC100 PLUS FUEL LEVELREADING, CLOCK & AVERAGE SPEED READOUT.**



## **POWERLITE STARTER MOTORS**

Powerlite high torque starter motors are twice as powerful as standard starter motors. This means they will run faster and start an engine regardless of temperature or compression. They draw about half the current of an original starter and start when the battery is in a low state of charge. Weight can be reduced by up to 50% from conventional starters. The starters are smaller and easier to fit than the standard motor. Below is a selection of the most popular starter motors as the complete range is too large to list here;

**Please contact us for a detailed range of what is available.**

PART No:	APPLICATION	PART No:	APPLICATION
RAC109	FORD BDA	RAC500	FORD X/FLOW
RAC184	MGB 68 ONWARDS/MGC	RAC508A	PORSCHE 911 UP TO 1986
RAC401	MGB UP TO 1968	RAC430	CATERHAM K-SERIES
RAC405A	RACING MINI W/COOLER	RAC433	FORD ZETEC / DURATEC / CVH

## **POWERLITE ALTERNATORS**

The Powerlite range of lightweight alternators are designed to be a direct and easy to fit replacement for the alternator on your classic, kit or production car. Conversion to single wire aids fitment and most classic and competition cars do not require multiple connections.

PART No:	APPLICATION	PART No:	APPLICATION
RAC001	THICK VERTICAL MOUNT BRKT	RAC003	THIN OFFSET MOUNT BRKT
RAC002	THIN VERTICAL MOUNT BRKT	RAC004	THICK OFFSET MOUNT BRKT

## **DYNALITE (ALTERNATOR IN A DYNAMO HOUSING)**

The dynalite is designed to look just like a Lucas dynamo but offers the advantages of the vastly improved charging capabilities and reliability of an alternator. The dynalite offers around 80% more power whilst at the same time reducing weight by about 40%.

PART No:	APPLICATION	PART No:	APPLICATION
RAC006	DYNALITE LUCAS C40	RAC007	DYNALITE LUCAS C42
RAC006L	DYNALITE LUCAS C40 LONG	RAC008	DYNALITE LUCAS C45



Goldstar Onboard offer a range of market leading video and data overlay solutions which are aimed at the club racer, rally driver, track day market as well as professional teams. As we cannot list all the Goldstar products available, please ask a member of staff for full product list.

### **DVR kits**

Includes your chosen DVR, Sony HQ high resolution bullet camera, where appropriate interface module and a professional Goldstar clamp and camera holder.



Goldstar cam and mount



### **Data overlay modules**

Designed in partnership with Farrington, these exclusive and simple to install modules connect between the camera and DVR and overlay real time data onto recorded footage.



**\*Kits are available in Racecam, Rallycam and Trackcam formats, please state your required option and roll bar diameter in mm at time of order**



### **ULTIMATE LAP TIMER**

Beautifully designed and built by Farrington, this is one of the smallest and most powerful lap timing systems you can get. Triggered by infra red beam from the pit wall, the display shows lap times, laps completed, elapsed time and best lap time plus a unique "IN" feature.





E-TECH racing are distributors for SAENZ connecting rods. Saenz connecting rods are without question the best quality con rod available on the market. The Saenz corporation has been manufacturing top quality connecting rods since 1989. Offering maximum strength and performance at the minimum weight. Rods are available in "H" shape cross section or "I" shape cross section.

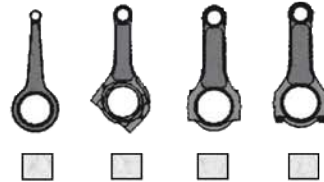
**FOR A QUOTE; PLEASE COPY AND COMPLETE THE SPEC. SHEET BELOW AND RETURN TO E-TECH RACING (BY POST OR E-MAIL) OR FOR ADVISE PLEASE CALL AND ASK FOR Erik Christensen OR E-MAIL: eac@e-techracing.se**

CAR TYPE: \_\_\_\_\_  
 ENGINE: \_\_\_\_\_  
 # OF CYL: \_\_\_\_\_  
 CYL BORE: \_\_\_\_\_  
 MAX RPM: \_\_\_\_\_  
 STROKE: \_\_\_\_\_  
 ROD BLOTS: \_\_\_\_\_  
 MAX HP: \_\_\_\_\_  
 PISTON WEIGHT: \_\_\_\_\_  
 TARGET WEIGHT: \_\_\_\_\_

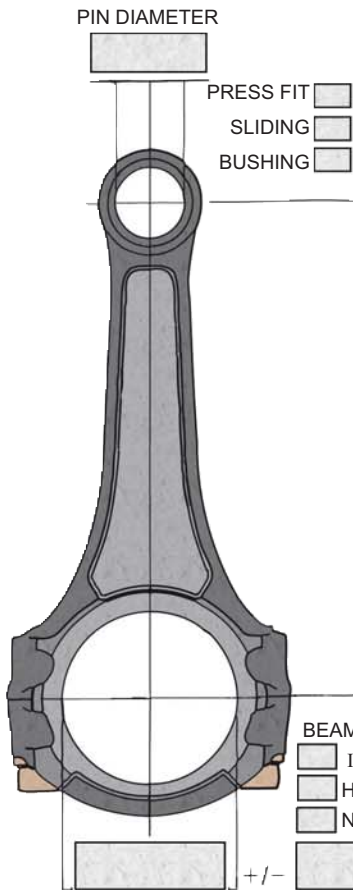


COMPANY: \_\_\_\_\_  
 CONTACT: \_\_\_\_\_  
 PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_  
 E-MAIL: \_\_\_\_\_  
 QUANTITY REQUIRED: \_\_\_\_\_ GOOD THRU: \_\_\_\_\_  
 HAD THEM BEFORE? (PART No:): \_\_\_\_\_  
 IF MAKING CHANGES FILL IN CHANGES ONLY

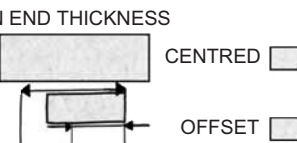
MARK ROD TYPE REQUIRED



BEARING CENTRED IN BIG END   
 BEARING **NOT** CENTRED IN BIG END



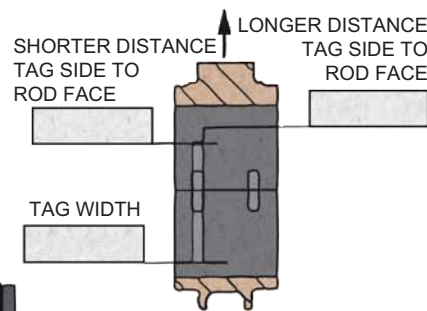
PIN END THICKNESS   
 OFFSET: \_\_\_\_\_ CENTRED   
 OFFSET



ROD MATERIAL:  
 4340  
 300M  
 NO PREFERENCE

APPLICATION:  
 STREET  
 RACE  
 ENDURANCE  
 TURBO  
 NITRO

TAG LOCATION



BEARING: \_\_\_\_\_  
 ENGINE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_  
 \_\_\_\_\_

OFFSET   
 CENTERED

BIG END THICKNESS

**CLEARANCE: PLEASE INDICATE WITH A CIRCLE IF ANY EXTERNAL PART OF THE ROD NEEDS CARE IN DESIGN TO AVOID CONTACT WITH ANY OTHER ENGINE PARTS AND PLEASE FEEL FREE TO SUGGEST ANY DIMENSIONS.**



ITG (Induction Technology Group) supplies light weight high performance air filters to all forms of motorsport. ITG offers a huge range of direct replacement panel filters, bolt-on filters and performance air intake systems for road and competition use. ITG can also manufacture a bespoke filter to your exact requirements. The full ITG range cannot be shown here so please contact Raceparts with your requirements for further details or a quote.

Versatile red-band filters for road or race. 2 outer layers of foam provide optimum filtration and load-up capacity and inner layer made of special self-extinguishing foam. All Megaflow filters are available as a flat or domed (sausage) shape.



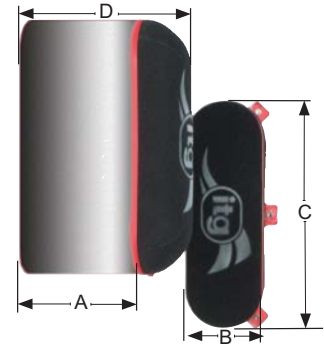
Maxogen airflow systems are revolutionary kits which enable cold, dense air to reach the fuel metering unit more effectively. These units can deliver as much as 9% more effective peak power at the wheels, and in some cases, at 500RPM less.



ITG also offer the **PROFILTER** range of high-grade direct replacement filters for both road and competition use. There is a filter for most applications, please contact Raceparts for further information.

PART No:	DESCRIPTION
SOX/S	FOAM SOCK 100mm OD, 130mm LONG
SOX/L	FOAM SOCK 150mm OD, 180mm LONG
SOX/D	FOAM SOCK TWIN
JDR/1	DUST RETENTION SPRAY 200ml

PART No:	DESCRIPTION	A	B	C	D
JC20/25	FILTER	25	148	186	50
JC20/40	FILTER	40	148	186	65
JC20/65	FILTER	65	148	186	90
JC20/100	FILTER	100	148	186	125
JC40/25	FILTER	25	142	379	50
JC40/40	FILTER	40	142	379	65
JC40/65	FILTER	65	142	379	90
JC40/100	FILTER	100	142	379	125
JC50/25	FILTER	24	148	346	50
JC50/40	FILTER	40	148	436	65
JC50/65	FILTER	65	148	436	90
JC50/100	FILTER	100	148	346	125
JC90	FILTER	80	142	379	105
JC100/25	FILTER	25	142	608	50
JC100/40	FILTER	40	142	608	65
JC100/65	FILTER	65	142	608	90
JC100/100	FILTER	100	142	608	125
JC10	FORMULA FORD WITH FITTING KIT				
JC70	RACING FILTER, WITH BASE PLATE, DFV ETC.				



FOR HELP WITH SIZES OR APPLICATION, PLEASE CONTACT US.

PART No:	DESCRIPTION
JC60/58	58mm ID CYLINDER
JC60/60	60mm ID CYLINDER
JC60/63	63mm ID CYLINDER
JC60/67	67mm ID CYLINDER
JC60/70	70mm ID CYLINDER
JC60/73	73mm ID CYLINDER
JC60/78	78mm ID CYLINDER
JC60/80	80mm ID CYLINDER
JC60/86	86mm ID CYLINDER
JC60/93	93mm ID CYLINDER
JC60/99	99mm ID CYLINDER
JC60/114	114mm ID CYLINDER
JC60/124	124mm ID CYLINDER
JC62/60	60mm ID CONE
JC62/70	70mm ID CONE



**ACCESSORIES**

ITG Foam Socks to fit over the bell mouth of a carburettor. Available in 2 sizes and also as a double for twin choke carburettors. Dust Retention Fluid gives a significant improvement in filtration.



K&N exists as both the sales and brand leader for performance filters, and maintains a stocking catalogue of over 3,500 part numbers. K&N Engineering, of Riverside, California, is the inventor and leading innovator of reusable cotton gauze filter technology for automotive applications. From humble beginnings as a family run business over 35 years ago, K&N Engineering, now a truly global company with offices in the U.K. and the Netherlands, continues to exist as a family owned business with an enthusiast mindset and a direct connection with motor sports that carries over throughout all levels of management and manufacturing.

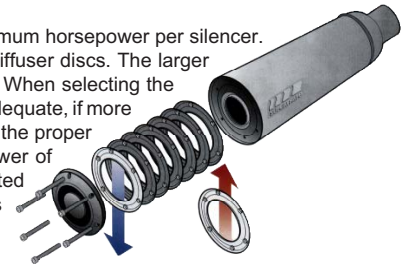
Please contact us for full product information and pricing



SUPERTRAPP produce a range of silencers that have been proved through years of competition use. It is the only range of silencers that allows you to determine and set sound level, power-band, and performance. All Supertrapps are designed for 'Competition Use' and will reduce exhaust noise to the permitted levels allowed in competition today without the power losses of a normal silencing system. The noise level may be adjusted to suit the maximum dbA allowable. Two types of Supertrapp silencer are available, the glass pack type and the disc only type. Both are constructed of heavy steel. The disc-only series comes complete with an adaptor for mounting, stainless steel diffuser discs and end cap. The glass pack series includes a heavy gauge body with a straight through performance core that is wrapped with high-heat fibreglass, with stainless steel diffuser discs and end cap system. The glass pack series is designed to provide increased silencing when the disc only models are not adequate. The glass pack series is completely re-packable to give like new performance after many miles of use.

### HOW TO SELECT THE RIGHT SUPERTRAPP

All Supertrapps are defined by the disc diameter, either 3", 4" or 5". Each disc size is rated for maximum horsepower per silencer. As exhaust pipe diameter, sound level and horsepower increase, so does the need for the larger diffuser discs. The larger diffuser discs not only give more silencing, but also provide increased flow for high-output engines. When selecting the correct Supertrapp, judge the amount of noise reduction required, if slight, a disc only model may be adequate, if more dramatic silencing is required, you should probably choose one of the glass pack models. Choosing the proper disc size and number of silencers required will entail some consideration of the size and horsepower of your engine. The larger your engine, the more noise you will need to quieten, without creating unwanted back pressure. Below are some general guidelines to assist you with your selection. Multiple silencers may be used when referring to the application table.



### APPLICATION TABLE

MODEL No:	DISC DIA (OD)	MAX HP	DISP. (cc)	APPLICATION
344	3"	100	1500	3" DISC ONLY: FOR APPLICATIONS WHERE MINIMAL NOISE REDUCTION IS REQUIRED; AVAILABLE WITH 1.5", 1.75", 2" AND A BOLT ON MODEL FOR MEGAPHONES WITH 3" OUTLET
444	4"	250	4000	4" DISC ONLY: ONLY SUITABLE WHERE MINIMAL SOUND CONTROL IS REQUIRED, AVAILABLE INLET SIZES; 2", 2.25" & 2.5" 4" GLASS PACKS: SUITABLE FOR 4,6 AND 8 CYLINDER ENGINES ESPECIALLY WHERE SIZE IS THE LIMITING FACTOR. USE LONG MODEL FOR ADDITIONAL SOUND REDUCTION. AVAILABLE INLET SIZES; 1.75", 2", 2.25" & 2.5"
443	-	-	-	
449	-	-	-	
544	5"	400	6000	5" DISC ONLY: USE AS A TUNING DEVICE WITH MINIMAL SOUND REDUCTION, SUITABLE FOR ENGINES WITH 2.5"-3.5" EXHAUST OUTLETS, INCLUDING V8'S. AVAILABLE INLET SIZES; 2.5", 3" & 3.5"
543	-	-	-	5" GLASS PACKS: ON RACE ENGINES IT ALLOWS YOU TO USE MORE DISCS THAN YOU COULD WITH THE DISC ONLY, AT THE SAME NOISE LEVELS. THE USE OF DISC ONLY ADAPTORS ALLOWS FOR INLINE INSTALLATION FOR IMPROVED CLEARANCE, WHILE STILL MOUNTING THE DISCS AT THE END OF THE EXHAUST SYSTEM. AVAILABLE INLET SIZES; 2", 2.5", 3" & 3.5"
549	-	-	-	

### USING YOUR SUPERTRAPP

**Remove discs** to decrease the exhaust opening and increase back pressure.

- Decreases the power-band.
- More low end torque.
- Decreases the exhaust tone.
- Enriches the carburetion.

**Add discs** to increase the exhaust opening and reduce back pressure.

- Increases the power band.
- More top end torque.
- Increases the exhaust tone.
- Leans out the carburetion.



PART No:	DESCRIPTION
344-1705	1.75" OD
344-2005	2" OD
344-3004	3" OD



PART No:	DESCRIPTION
444-2003	2" PIPE
444-2203	2.25" PIPE
444-2503	2.5" PIPE



PART No:	DESCRIPTION
544-2503	2.5" OD
544-3003	3" OD
544-3503	3.5" OD



PART No:	DESCRIPTION
094-1500	1.5"
094-1750	1.75"
094-2000	2"
094-2250	2.25"
094-2500	2.5"
094-2750	2.75"
094-3000	3"



PART No:	DESCRIPTION	
6 PACK	12 PACK	DESCRIPTION
504-6506	504-6512	5" DISCS
404-6506	404-6512	4" DISCS
304-6506	304-6512	3" DISCS



PART No:	DESCRIPTION
095-3500	3.5" CLAMP
095-4500	4.5" CLAMP



PART No:	DESCRIPTION
504-7206	6 BOLT 5" BOLT
504-7207	6 BOLT & NUT 5" BOLT
404-7206	6 BOLT 4" BOLT
404-7207	6 BOLT & NUT 4" BOLT
304-7400	CENTRE BOLT



PART No:	DESCRIPTION
506-3052	5" POLISHED
406-3046	4" POLISHED
402-3046	4" ALLOY
405-3046	4" OPEN
304-3032	3" UNPOLISHED
305-3518	3" OUTLET CAP





PART No:	DESCRIPTION
443-1717	1.75" INLET
443-2017	2" INLET
443-2217	2.25" INLET
443-2517	2.5" INLET



PART No:	DESCRIPTION
443-2011	2" INLET
443-2010	2" INLET

**(INCLUDES MOUNT BRACKET)**



PART No:	DESCRIPTION
443-2024	2" INLET
443-2524	2.5" INLET



PART No:	DESCRIPTION
543-2519	2.5" INLET
543-3019	3" INLET
543-3519	3.5" INLET



PART No:	DESCRIPTION
449-1718	1.75" INLET
449-2018	2" INLET
449-2218	2.25" INLET
449-2518	2.5" INLET



PART No:	DESCRIPTION
500-4020	FOR 5" GLASS PACK
400-4020	FOR 4" GLASS PACK
300-4021	FOR 3" GLASS PACK



PART No:	DESCRIPTION
549-3514	3.5" INLET



PART No:	DESCRIPTION
405-2120	4" 120°
507-2360	5" 360°

# ARE DRY SUMP SYSTEMS

E-TECH racing are proud to announce their latest partnership, with ARE dry sump systems of Orangevale, CA, USA. ARE have been manufacturing cast alloy dry sump oil pans since 1974. Thorough dyno testing and oil flow evaluation over 2 decades have allowed ARE to produce the most advanced oil sumps on the market. Below is only a small sample range available. For details on the complete range, or further options please contact us. ARE's customers include: Cosworth, Genral Motors Racing, McClaren Engines & Saleen.



FORMULA FORD - VAN DIEMEN



FORD DURATEC DRY SUMP



FORD 1600 - 1060



FOR ZETEC - 1051



CHEVY SMALL BLOCK - 1010



CHEVY BIG BLOCK - 1014

## K-NUTS

These aircraft specification lightweight nuts are suitable for all motorsport applications, and are supplied to most Formula One teams. Exclusively distributed in motorsport by Raceparts.

### 6 POINT METRIC/IMPERIAL

METRIC K-NUTS	
PART No:	THREAD
NOR210413 3X.5	M3 X 0.5
NOR210413 4X.7	M4 X 0.7
NOR210413 5X.8	M5 X 0.8
NOR210413 6X1	M6 X 1.0
NOR210413 7X1	M7 X 1.0
NOR210413 8X1	M8 X 1.0
NOR210413 8X1.25	M8 X 1.25
NOR210413 10X1.25	M10 X 1.25
NOR210413 10X1.5	M10 X 1.5
NOR210413 12X1.25	M12 X 1.25
NOR210413 12X1.5	M12 X 1.5
NOR210413 12X1.75	M12 X 1.75
NOR210413 14X1.5	M14 X 1.5



IMPERIAL K-NUTS	
PART No:	THREAD
MS21042-06	6/32 UNF
MS21042L3	10/32 UNF
MS21042L4	1/4 UNF
MS21042L5	5/16 UNF
MS21042L6	3/8 UNF
MS21042L7	7/16 UNF
MS21042L8	1/2 UNF
MS21042L9	9/16 UNF
MS21042L10	5/8 UNF



METRIC HI TEMP K-NUTS	
PART No:	THREAD
LN9161 04	M4 X 0.7
LN9161 05	M5 X 0.8
LN9161 06	M6 X 1
LN9161 07	M7 X 1
LN9161 08	M8 X 1.25
LN9161 10	M10 X 1.5
LN9161 12	M12 X 1.5

IMPERIAL HI TEMP K-NUTS	
PART No:	THREAD
H41-4	1/4 UNF
H41-5	5/16 UNF
H41-6	3/8 UNF

## ANCHOR & CAPTIVE WASHER NUTS

IMPERIAL FLOATING ANCHOR NUTS	
PART No:	THREAD
MS21059L08	8/32 UNF
MS21059L3	10/32 UNF
MS21059L4	1/4 UNF

METRIC FLOATING ANCHOR NUTS	
PART No:	THREAD
LN29679AM3	M3 X 0.5
LN29679AM4	M4 X 0.7
LN29679AM5	M5 X 0.8
LN29679AM6	M6 X 1.0
LN29679AM8	M8 X 1.25

IMPERIAL FIXED ANCHOR NUTS	
PART No:	THREAD
MS21047L08	8/32 UNF
MS21047L3	10/32 UNF
MS21047L4	1/4 UNF

METRIC FIXED ANCHOR NUTS	
PART No:	THREAD
LN29671AM3	M3 X 0.5
LN29671AM4	M4 X 0.7
LN29671AM5	M5 X 0.8
LN29671AM6	M6 X 1.0
LN29671AM8	M8 X 1.25

IMPERIAL CAPTIVE WASHER NUTS	
PART No:	THREAD
KFN 542-4	1/4 UNF
KFN542-5	5/16 UNF

METRIC CAPTIVE WASHER NUTS	
PART No:	THREAD
DRS10-06	M6 X 1.0
DRS10-08	M8 X 1.25
DRS10-10	M10 X 1.5
DRS10-12	M12 X 1.5



## AN WASHERS

These cad-plated washers are available in 1/16" (regular) or 1/32" (light) thickness for use with the 13 and 11 series NAS bolts.

THIN		THICK	
PART No:	BOLT SIZE	PART No:	BOLT SIZE
AN960-08L	8/32	AN960-10R	10/32
AN960-10L	10/32	AN960-416R	1/4
AN960-416L	1/4	AN960-516R	5/16
AN960-516L	5/16	AN960-616R	3/8
AN960-616L	3/8	AN960-716R	7/16
AN960-716L	7/16	AN960-816R	1/2
AN960-816L	1/2	AN960-916R	9/16
AN960-916L	9/16	AN960-1016R	5/8
AN960-1016L	5/8		
AN960-1216L	3/4		

**THIN WASHERS = 0.032"**  
**THICK WASHERS = 0.063"**

## AN SELF LOCKING NYLOCS

These are the most common and inexpensive self locking aircraft nut. Almost infinitely reusable, with a tensile strength rated at 125,000 psi and 250°F temperature rating. Available as standard height to suit 13 series NAS bolt or reduced height to suit 11 series NAS bolt.

REDUCED HEIGHT		STANDARD HEIGHT	
PART No:	THREAD	PART No:	THREAD
AN364-1032A	10/32 UNF	AN365-1032A	10/32 UNF
AN364-428A	1/4 UNF	AN365-428A	1/4 UNF
AN364-524A	5/16 UNF	AN365-524A	5/16 UNF
AN364-624A	3/8 UNF	AN365-624A	3/8 UNF

## NAS BOLTS

### NAS 11 AND NAS 13 SERIES CLOSE TOLERANCE BOLTS

These National Aerospace Standard, fine threaded, dimple-head hex bolts have a minimum tensile strength of 160,000 psi and a minimum shear strength of 95,000 psi. Thread length is consistent within each diameter (11 series has a shorter thread), and grip lengths are available in 1/16" increments. Used in applications where a premium quality, high strength bolt is necessary.

11 SERIES NAS BOLTS		THREAD LENGTH
SERIES	THREAD (UNF)	DECIMAL INCH
1103	10-32	0.276
1104	1/4-28	0.316
1105	5/16-24	0.375
1106	3/8-24	0.391

13 SERIES NAS BOLTS		THREAD LENGTH
SERIES	THREAD (UNF)	DECIMAL INCH
1303	10-32	0.338
1304	1/4-28	0.425
1305	5/16-24	0.469
1306	3/8-24	0.578

NAS BOLT SIZE CHART		TOTAL LENGTH OF EACH NAS SERIES			
DASH No:	GRIP LENGTH	1103	1104	1105	1106
-1	0.062	0.338	0.378	0.437	0.453
-2	0.125	0.401	0.441	0.500	0.516
-3	0.188	0.464	0.504	0.563	0.579
-4	0.250	0.526	0.566	0.625	0.641
-5	0.312	0.588	0.628	0.687	0.703
-6	0.375	0.651	0.691	0.750	0.766

**ALL MEASUREMENTS ARE GIVEN IN DECIMAL INCHES**

NAS BOLT SIZE CHART		TOTAL LENGTH OF EACH NAS SERIES			
DASH No:	GRIP LENGTH	1303	1304	1305	1306
-1	0.062	0.400	0.487	0.531	0.640
-2	0.125	0.463	0.550	0.594	0.703
-3	0.188	0.526	0.613	0.657	0.766
-4	0.250	0.588	0.675	0.719	0.828
-5	0.312	0.650	0.737	0.781	0.890
-6	0.375	0.713	0.800	0.844	0.953

**ALL MEASUREMENTS ARE GIVEN IN DECIMAL INCHES**

## CAP HEAD BOLTS

This is only a selection of the most popular imperial sizes. Please contact us for other imperial and metric sizes.

CAP HEAD BOLTS	
PART No:	SIZE (THREAD x LENGTH)
020500CF	10/32 UNF X 0.500"
021000CF	10/32 UNF X 1.000"
021250CF	10/32 UNF X 1.250"
021500CF	10/32 UNF X 1.500"
021750CF	10/32 UNF X 1.750"
022000CF	10/32 UNF X 2.000"
040625CF	¼ UNF X 0.625"
040875CF	¼ UNF X 0.875"
041000CF	¼ UNF X 1.000"
041250CF	¼ UNF X 1.250"
041500CF	¼ UNF X 1.500"
041750CF	¼ UNF X 1.750"
042000CF	¼ UNF X 2.000"
042250CF	¼ UNF X 2.250"
042500CF	¼ UNF X 2.500"
050750CF	5/16 UNF X 0.750"
051000CF	5/16 UNF X 1.000"
051250CF	5/16 UNF X 1.250"
051500CF	5/16 UNF X 1.500"
051750CF	5/16 UNF X 1.750"
052000CF	5/16 UNF X 2.000"
052250CF	5/16 UNF X 2.250"
052500CF	5/16 UNF X 2.500"
054000CF	5/16 UNF X 4.000"
061000CF	3/8 UNF X 1.000"
061250CF	3/8 UNF X 1.250"
061500CF	3/8 UNF X 1.500"
061750CF	3/8 UNF X 1.750"
062000CF	3/8 UNF X 2.000"
062500CF	3/8 UNF X 2.500"
063000CF	3/8 UNF X 3.000"
063250CF	3/8 UNF X 3.250"

TYRAP	
PART No:	DESCRIPTION
TYB23M	3" WHITE TYRAP
TY23MX	3" BLACK TYRAP
TYB25M	7" WHITE TYRAP
TY25MX	7" BLACK TYRAP
TY232MX	8" BLACK TYRAP
TY27MX	13" BLACK TYRAP
TY28M	14" WHITE TYRAP
TY28MX	14" BLACK TYRAP
TC104	SMALL TYRAP BLOCKS (WHITE)
TC104B	SMALL TYRAP BLOCKS (BLACK)
TC102	MEDIUM TYRAP BLOCKS (WHITE)
TC102B	MEDIUM TYRAP BLOCKS (BLACK)
TC105	ALUMINIUM TYRAP BLOCKS

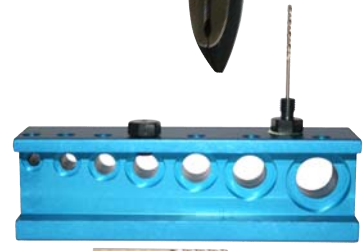
OIL FILTERS	
PART No:	DESCRIPTION
AP30823	REMOTE 1/2 PINT OIL FILTER
AP2658	REMOTE 1 PINT OIL FILTER



## LOCKWIRE

Stainless steel wire used throughout the aircraft and motor sport industry.

PART No:	DESCRIPTION
LWD595	1/2 kg ROLL 0.50mm LOCKWIRE
LWD597	1/2 kg ROLL 0.80mm LOCKWIRE
LWD598	1/2 kg ROLL 1.01mm LOCKWIRE



MISC. PRODUCTS	
PART No:	DESCRIPTION
ROB WIR	WIRE TWISTERS
3745	LOCKWIRE BOLT DRILLING JIG
SCA BLU	MID BLUE TANK TAPE
AT175B	BLACK TANK TAPE
AT175BL	BLUE TANK TAPE
AT175DKB	DARK BLUR TANK TAPE
AT175G	GREEN TANK TAPE
AT175R	RED TANK TAPE
AT175S	SILVER TANK TAPE
AT175W	WHITE TANK TAPE
AT175Y	YELLOW TANK TAPE
AT500	FOIL TAPE



3M PRODUCTS	
PART No:	DESCRIPTION
8561-2	POLYURETHANE/HELICOPTER TAPE 36 YARDS, 2" WIDE
8561-3	POLYURETHANE/HELICOPTER TAPE 36 YARDS, 3" WIDE
8561-4	POLYURETHANE/HELICOPTER TAPE 36 YARDS, 4" WIDE
8561-6	POLYURETHANE/HELICOPTER TAPE 36 YARDS, 6" WIDE
425-25	3M HEAVY DUTY FOIL TAPE, 26mm WIDE
425-50	3M HEAVY DUTY FOIL TAPE 50mm WIDE
SJ352D	STANDARD SELF ADHESIVE VELCRO 25mm X 5M
SJT355T	SELF ADHESIVE HEAVY DUTY DUEL LOCK VELCRO 25mm X 10M







Established in 1887, Millers Oils is proud to provide a knowledgeable, accessible service to customers that is unmatched in the oil industry. Through a programme of continuous investment in product research and development, Millers Oils formulations are some of the most advanced and effective in the world. Respected world-wide for our product innovation and award winning formulations, we were the first to develop commercial engine oils capable of long drain intervals and were among the first to develop diesel specific engine oils. All of our products are of the highest quality and surpass required industry standards, many are endorsed and recommended by vehicle and machinery manufacturers.



**MOTORSPORT ADDITIVES**

**CVL TURBO: OCTANE BOOSTER**

Adds up to 4 octane to base fuels which means that 103 octane fuel is available when added to certain super unleaded base fuels. Provides flame front control to prevent detonation and is suited to all turbo and nonturbo engines where maximum performance is demanded. Suitable for occasional use in vehicles fitted with catalytic converters and is compatible with nitrous injection systems. 500ml bottle will treat 20 litres of fuel. **PART No: CVL TUR**

**CVL: COMPETITION VALVE LUBRICANT**

The unique solution to running race engines on unleaded fuel. Formulated to comply with FIA fuel specifications. It provides flame front control to protect against detonation damage, lubricates valve seats and typically adds 3 points to base fuel (ie. Super Plus unleaded and CVL equals 100 octane rating). 250ml bottle treats 20 litres of fuel. **PART No: MIL CVL**

**OCTANE PLUS**

Improves the octane for use on vehicles with or without catalytic converters. It typically adds up to 2 octane to Premium Unleaded or Super Plus Unleaded. It is safe for road cars with catalytic converters and in addition it cleans injectors and catalysts. 250ml bottle treats 50 litres of fuel. **PART No: MIL OCT**

**VSP PLUS: LEAD REPLACEMENT ADDITIVE**

For Classic and Vintage cars and is endorsed by the Federation of British Historic Vehicle Clubs (FBHVC). It provides valve seat protection up to the level of 4 star leaded petrol and adds 2+ octane to unleaded fuel. 250ml bottle treats 40 litres of fuel. **PART No: 5576MA**

**EXTRA COOL**

Add to your coolant system you can lower your engine temperature by up to 15°C. Contains anti-corrosion additives so can be mixed with all antifreezes. 1 litre treats 40 litres of water. **PART No: RAD HIB**



**MOTORSPORT GEAR OILS**

Millers unique range of performance gear oils are now available in 3 viscosities to suit every application. **AVAILABLE IN 1 & 5 LITRE CONTAINERS**

**CRX 80w90**

Semi synthetic motorsport formulation for improved protection and minimum power loss in synchromesh gearboxes and final drives. **PART No: CRX 80W90**

**CRX LS 80w90**

As the CRX 80w90 but with friction modifiers for limited slip differentials. Do not use in synchro gearboxes. **PART No: CRX LS 80W90**

**CRX LS 80w90 NT**

As CRX 80w90, but incorporating latest 'nano technology' to further significantly reduce friction and increase dog ring and gear life. **PART No: CRX LS 80W90 NT**



**CRX 75w90 NT**

Ultimate full synthetic lightweight gear oil, now incorporating latest 'nano technology' to further reduce friction and increase power and gear life. Ideal for synchromesh gearboxes. **PART No: CRX 75W90 NT**



**CRX LS 75w90 NT**

As CRX 75w90 NT, but for limited slip differentials. Incorporates latest 'nano technology' to further significantly reduce friction and increase dog ring and gear life. **PART No: CRX LS75W90 NT**



**CRX 75w140 NT**

Heavy duty full synthetic gear oil providing maximum protection in very high torque and power applications. Now incorporates latest 'nano technology' to further significantly reduce friction and increase power and gear life. Ideal for synchromesh gearboxes. **PART No: CRX 75W140 NT**



**CRX LS 75w140 NT**

As CRX 75w140 NT, but for limited slip differentials. Incorporates latest 'nano technology' to further significantly reduce friction and increase dog ring and gear life – the ultimate heavy duty race/rally transmission oil. **PART No: CRX LS 75W140 NT**



**MOTORSPORT ENGINE OILS**

**FULL SYNTHETIC OILS**

**CFS 5w40**

For fast road, race, rally, sprints and hill climbs. Ideal for engines with hydraulic tappets e.g. Zetec. **PART No: CFS 5W40**

**CFS 10w40**

For small capacity race/rally engines, up to approx 1500cc and turbocharged engines for fast road and track days. A performance alternative where the manufacture specifies a 5w40. **PART No: CFS 10W40**

**CFS 10w60**

For larger race and rally engines, with and without turbochargers. A performance alternative where the manufacturer specifies a 10w40. **PART No: CFS 10W60**

**CFS 15w60**

Slightly heavier base viscosity to give maximum protection in high ambient temperatures and highly stressed applications. Ideal for turbocharged engines and endurance racing/rallying. **PART No: CFS 15W60**

**SEMI SYNTHETIC OILS**

**CSS 20w50**

Formulated at the top end of the '50 viscosity range to suit older design competition engines. E.g. Aston Martin, Jaguar, MG, Triumph, Austin Healey. Also ideal for historic Formula Ford and American V8's. **PART No: CSS 20W50**

**CTV 20w50**

Unique semi synthetic engine oil with EP levels of gear protection. Specifically formulated for original mini and any application where the engine and gearbox share a common oil. **PART No: CTV 20W50**





### SRF

SRF Brake fluid by Castrol is specifically formulated for professional motorsport where extreme braking conditions are encountered. It has an exceptionally high dry boiling point, as well as having brilliant anti vapour lock properties. This ensures consistent high performance, which is why it is used in F1, Indy and Sports car racing. **Available by the litre.**



### R40

R40 is a high performance engine lubricant, it has remarkable stamina and high film strength, which provides invaluable protection at the high engine speeds encountered in motorsport.

### RED RUBBER GREASE

Designed for use with hydraulic brake and clutch components as well as suspension units, this rubber compatible grease offers lubrication where hardening or swelling of rubber must be avoided.



### SHOCKPROOF GEAR OIL

This oil contains a suspension of solid microscopic particles, which work as an extreme pressure agent, making it suitable for use in high power/load applications with minimal friction losses. SHOCKPROOF GEAR OIL can be used with synchro and dry sump boxes as well as wet clutches. It is safe to use with all phosphor bronze bearings, offering ultimate protection at a **75W-250** EP rating.



### WATER WETTER

A unique wetting agent for use in cooling systems. It can reduce temperatures by as much as 30 DEG F while providing protection against rust and corrosion. It has better heat transfer properties than glycol-based antifreeze making it a common choice for racing engines, it works with all new or old antifreeze.

**Available in 355ml bottles**

MISCELLANEOUS	
PART No:	DESCRIPTION
WD40 400ML	WD40 400ml AEROSOL
WD40 5LTR	WD40 5 LTR TIN & APPLICATOR
OXY LUB	ROCOL OXY LUBE AEROSOL
ZX1 1L	ZX1 EXTRALUBE 1 LITRE
ZX1 C60	ZX1 C60 AEROSOL
ZX1 SUP	ZX1 SUPERGREASE 500g
MOBIL0 4L	0W-40 4 LITRE
MOBIL15 4L	15W-50 4 LITRE
COPAS	COPASLIP 100g TUBE
COP500	COPASLIP500g TIN
ARA STD	ARALDITE STANDARD
ARA RAP	ARALDITE RAPID
AUT CRO	CHROME CLEANER
HYLOM	100g TUBE
HYLOM 40	40g TUBE
9D6	CRACK TESTING KIT (DEVELOPER)
996P	CRACK TESTING KIT (PENETRANT)
9PR551	CRACK TESTING KIT (CLEANER)



FOAM TAPE	
PART No:	DESCRIPTION
SEL3180	SINGLE SIDED FOAM TAPE 25mm WIDE, 3mm THICK, 25M LONG
SEL3244	SINGLE SIDED FOAM TAPE 50mm WIDE, 6mm THICK, 12M LONG
SEL3251	SINGLE SIDED FOAM TAPE 25mm WIDE, 3mm THICK, 12 LONG
SEL3280	SINGLE SIDED FOAM TAPE 50mm WIDE, 3mm THICK, 25M LONG
SEL3360	SINGLE SIDED FOAM TAPE 10mm WIDE, 3mm THICK, 25M LONG



In these conditions the expression "the company" means E-TECH racing.

The company does not seek to take away any right in Law that cannot be Lawfully negated and it should be held by a court or competent jurisdiction that any of these terms or condition has that effect, then such part or parts shall be severed from the remainder, which shall continue in full force or effect.

#### CONDITIONS TO BE CONCLUSIVE

The following terms and conditions (subject and together with any other terms set out in our written quotation, or any written amendment signed by the director of the company) are the only terms and conditions applicable to the transaction superseding all previous discussions and negotiations whether oral or written and prevailing over any terms or conditions put forward by any other party in any manner whatsoever or any point in time.

#### QUOTATIONS

All documents by the company are subject to the conditions set out herein and shall remain valid for maximum period of 30 days from the date thereof. This limitation does not preclude the company from accepting an order against a quotation after the 30 days limit has expired, but no order is binding on the company until accepted. Any typographical, clerical or other error or omission in the company's sales literature, quotation, price list, acceptance of offer, invoice or other document or information shall be subject to correction without any liability on the part of the company.

#### SEPARATE CONTRACTS

Each order and its acceptance is to be treated as a separate contract and accordingly, if there should be at any time more than one contract in the course of performance between the company and the same buyer, and if any questions, dispute or difficulty shall arise in respect of one or such contracts, neither the existence of such question, dispute or difficulty nor the terms on which it may be settled shall effect in any way whatsoever other such contracts.

#### VARIATION OF PRICE

If between the date of quotation and the date of delivery there are variations in the costs of overheads, expenses, labour or materials, transport or any other costs which may effect the processing or delivery of the goods, then the contract price may be varied at the company's discretion. That is to say, unless the company's quotation specifically provides for a fixed price contract, the prices ruling shall be those at the date of despatch.

#### TERMS OF PAYMENT

Unless otherwise agreed all invoices shall become payable 30 days following month of invoice date.

#### OVERDUE DEBTS

If any payment is in arrears, then the company shall have the right without prejudice to its other rights (both before and after any judgement) to suspend deliveries until payment is received whether such deliveries are part of the same order or other order or not, in addition to and without prejudice to any other right open to the company, It reserves the right to charge interest on overdue accounts at the rate of 2.5% above the minimum lending rate of the company's bankers applicable from time to time. The company may appropriate any payment made by the buyer to such of the goods supplied by the company against any order of the buyer as the company may think fit (not withstanding any purported appropriation by the buyer).

#### PASSING OF RISKS

All risks shall pass to the customer on delivery to or in accordance with the customer's instructions or in the case of carriage other than by the company's carrier. It shall be the responsibility of the customer to arrange adequate insurance against all relevant risks.

#### COMPANY'S RIGHT OF CANCELLATION

If the buyer should make any default in or commit any breach of any of its obligations or if any distress of execution shall be levied on the buyer's property or assets or if the buyer shall make or offer to make any arrangements or composition with its creditors, commit any act of bankruptcy, become subject to an administration order or (being an individual or firm) becomes bankrupt or (being a company) goes into liquidation (otherwise for the purpose of amalgamation or reconstruction) or an encumbrance takes possession, or a receiver is appointed of any of the property or assets of the buyer, or the buyer ceases or threatens to cease to carry on business, or the company reasonably apprehends that any of the events mentioned above is about to occur and notifies the buyer accordingly, or if any petition or receiving order in bankruptcy shall be presented or made against the buyer or if the buyer shall be a Limited Company and any resolution or petition to wind up the buyer's business shall be passed or presented or if a Receiver of the buyer's undertaking property assets or any part thereof shall be appointed. The company shall have the right forthwith to determine any contract then subsisting and to cancel any outstanding delivery or deliveries and to stop any goods in transit but all without prejudice to any other right which the company may have, and if the goods have been delivered, but not paid for, the price shall become immediately due not withstanding any previous agreement to the contrary.

#### CHANGES REQUIRED BY THE BUYER CAUSING LOSS OR EXPENSE TO THE COMPANY

All or any loss or expense occasioned to the company by changes required by the buyer in material, design, quantities, or delivery from those on which the acceptance of the order was based shall be made good to the company by the buyer.



**CANCELLATION**

The company shall be entitled to full indemnity if the buyer cancels an order, which the company has accepted. Orders accepted by the company shall not be cancelled by the buyer without the company's prior written consent in the event of such a consent being given, the company reserves the right to charge a cancellation fee as a condition thereof. After despatch goods may not be returned to the company without prior written consent and in the event of the company giving such consent (subject to the goods not having deteriorated depreciated or been damaged) the company reserves the right as a condition of such consent to charge a restocking fee equivalent to 15% of the purchase price of the goods.

**SAMPLES**

In all instances where the company is working from a new specification, an altered specification or specification new to the company, the company may submit samples for approval before executing the order which will then only be commenced on receipt of the buyer's approval of the samples will only be submitted if requested by the buyer at the time of placing the order. All samples submitted will be charged to the buyer unless returned undamaged, carriage paid, to the company's premises from which they are Despatched within one month of Despatch.

**INDEMNITY AGAINST INFRINGEMENT OF INDUSTRIAL PROPERTY RIGHTS**

The buyer will fully indemnify and hold the company harmless against any claim or liability in respect of any infringement or alleged Infringement of any Patent, Trade Mark, Registered design or any other like claim resulting from compliance with buyers instructions express or implied.

**DELIVERY AND CARRIAGE**

Delivery commitments are entered into in good faith, but the company shall not be liable for failure to deliver on the specified date, nor shall any failure be deemed to be in breach of contract or any part of its conditions or part thereof. Refusal of the buyer to accept part of the whole delivery at the time specified in the contract shall permit the company to decline to make further delivery without prejudice to the company's rights to recover damages for breach of contract. Where the contract calls for delivery by instalments, each instalment shall be regarded as a separate contract and any defects in any instalment or failure to deliver any instalments shall not give the buyer the right to cancel the balance of deliveries due under this or any other contract between the parties.

**PASSING OF TITLE AND GOODS**

The property in all goods sold by the company shall remain with the company until such sums at any time owing to the company under his or any other contract have been paid in full. The company reserves the right, to repossess the goods at any time and from any person, firm or company and from any place until such sums due to the company have been paid in full.

**CLAIMS/LIABILITY**

Any claim in respect of goods alleged, to be damaged or defective or goods miss-delivered or short-delivered must be made to the company in writing within 3 days of the date of Despatch for road transport. Buyers are required to have receipts for goods delivered signed by a responsible person and shall be presumed to have examined the goods before such signature. The marking of any receipt unexamined or by any similar wording shall not affect this presumption.

The company shall have no liability in any circumstances for any consequential loss and in no case shall the company's liability exceed the invoiced value of the goods in question. It is a matter for the company's reasonable discretion whether to replace the goods or refund the purchase price.

**DEFECTIVE GOODS**

If it is proved to the company's satisfaction that any material or workmanship in the goods is defective, the company is prepared to rectify or replace at its option such defective goods. If such rectification or replacement is not practicable the company will give credit for such defective material and workmanship, to an amount not exceeding the invoice price. In no circumstances whatever shall the company be liable for any further or consequential loss.

**FAILURE TO TAKE DELIVERY**

If the buyer fails to accept delivery of the goods as specified the company shall not be bound to tender or re-tender the goods, but the company shall have the right;

To invoice such goods including costs of non-acceptance for immediate payment.

To sell the goods elsewhere and recover any difference in price including costs of non-acceptance from the buyer.

To make a reasonable storage charge for goods remaining on the company's premises longer than one month.

**FORCE MAJEURE**

Notwithstanding any other provisions hereof, should the manufacture, processing, supply or despatch of the whole or any part of the goods, contracted for be prevented or hindered by any cause or causes beyond the company's control the company shall be entitled either to cancel the contract or to postpone or suspend any delivery or deliveries under the contract until in the company's judgement such cause has ceased to operate. The company shall not be under any liability whatsoever in respect of any such cancellation, postponement or suspension. Without limiting the generality of the cause or causes referred to above the same shall include war, fire, accident, breakdown of plant or machinery, strikes and lockouts (whether affecting the company's works or those of supply contractors or carriers) non-delivery or delay of any materials of any circumstances which directly or indirectly interrupt prevent or hinder the due performance of the contract.

**LAW AND JURISDICTION**

The law of England shall apply and the English courts shall have sole jurisdiction on respect of any claim or dispute in any way arising from the sale of goods or the supply of services under these terms by the company to any customer in any part of the world. But the company shall be entitled to institute legal proceedings for the recovery of monies due to the company in any appropriate court in the country in which the goods have been exported.

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