

## Air Jack Systems

### Air Jacks

#### JLS Air Jacks

JLS Airjack systems are used by Saloon, Sportscar and GT series teams throughout the world. The introduction of the AJ-03 series will give the customer the opportunity to combine the AJ-01 and AJ-03 units into the same system. Primarily designed to offer greater lift at lower pressures, the AJ-03 can be operated at the same working pressure of 35 bar as the AJ-01.

Special lengths and strokes can be produced.

All Jacks have an Inlet Port thread of M14 x 1.5 and can be operated at 35 bar.

- Body: High strength alloy forging, hard anodised finish
- Piston Rod: High strength alloy steel extrusion. Hard Chrome finish
- Spring: BS2803 Silicone Chrome Spring Steel
- Bearing: Sintered Bronze
- Foot: High strength alloy. Hard Anodised



Code	Overall Length (mm)	Cylinder Diameter (mm)	Stroke (mm)	Weight (kg)	Maximum Lift (kg)	WP (Bar)
AJ01	407	52	290	1.35	500	35
AJ02	305	52	180	1.10	500	35
AJ03	355	88	230	2.30	1500	35
AJ04	225	88	110	1.60	1500	35



#### JLS Lance

The JLS Lance has been designed with ease of operation paramount, and is constructed using high quality materials to ensure reliability.

The JLS lance operates in either low or high pressure environments making it ideal for any Air Jack System.

##### Code

AJL01



#### JLS Probe

The JLS Probe can be used to temporarily keep the Air Jacks activated without the need for a continuous air supply.

This unit is manufactured from specially coated lightweight materials to ensure durability and smoothness of operation.

##### Code

AJP01

#### Material Identification:

Z = Zinc Plated Mild Steel EN = Electroless Nickel Plated Mild Steel HC = Stainless Steel D = Aluminium TI = Titanium Alloy B = Brass



### JLS Air Jack Support Stands

Air Jack Safety Support Stands are used as a failsafe device when the Jacks are extended. If the air supply fails or is disconnected, the stands prevent the retraction of the piston, thus protecting the crew from injury and damage to the race car.

Support Stands are available for High and Low Pressure Air Jacks.

Code	Air Jack Model	Material
SSJ01D	AJ01	D
SSJ02D	AJ02	D
SSJ03D	AJ03	D
SSJ04D	AJ04	D



### Typical Air Jack System

As an example kit a typical Saloon GT Air Jack System would comprise of the following:

Code	Description	Quantity
<i>Standard Components</i>		
AJ01 or AJ02	Air Jacks	4
AJL01	Air Jack Lance	1
AJP01	Air Jack Probe	1
BJA6J-14MD	Single Banjo	2
BJD6J-14MD	Double Banjo	2
BB1415MD	Banjo Bolt	4
CWM14	Copper Washer	8
824-6D	Tee Piece	1
818-6D	Flare Tubing Nut	10
FLP06100150	Hardline Tube	8 Mtrs
PCH-100	Probe Connecting Hose	1
<i>Optional Extras</i>		
SSJ-02	Air Jack Support Stand	4
AH01T-6-6	Air Line Hose Assembly	6 Mtrs
<i>Tooling Extras</i>		
212FB	Tube Flarer	1
200-22	Tube Cutter	1
NOGA	Tube De-Burrer	1