

FAST MOVING TECHNOLOGY

*STÄUBLI*

# Airjack system

Quick-lift | Lance | Motorsports





Discover Stäubli solutions for motorsports applications at:  
[www.staubli-motorsport.com](http://www.staubli-motorsport.com)



# The Stäubli solution; to ensure maximum performance

Optimum safety during the lifting and lowering of a vehicle

## Airjack lance

### Easy to connect

Designed to lift the car with as little effort as possible, connects at **18 lbf with circuit under pressure up to 580 psi.**

### Quick operation

Push the socket onto the plug and the car lifts automatically.

### Two plug versions:

- valved safety plug
- plug with integrated venting

### Light weight

The compact design, selection of light and resistant materials and the swivel option makes the **Stäubli Airjack** user-friendly, ergonomic, efficient and safe.

## Airjack quick-lift

### Innovative technology:

- no internal springs
- weight from about 28 oz
- rapidly acting cylinder venting in both directions
- compact system

### Safety

Dual safety features prevent accidental deployment of the jack.

### Two versions:

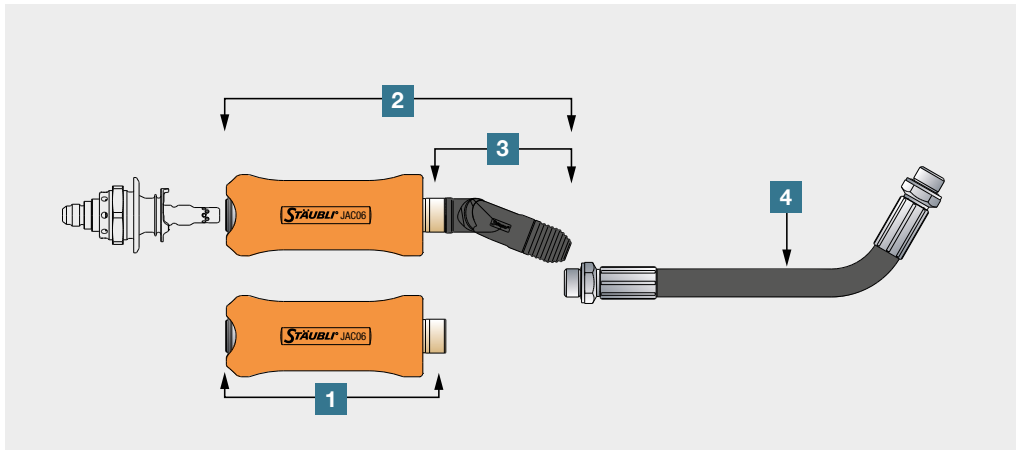
- standard
- with integrated exhaust system, it rapidly vents, direct from the cylinder (QE version).

### Adaptability

- long threaded sections allow for suitable positioning on your chassis.
- location rings ensure precise location and alignment.

## TECHNICAL SPECIFICATIONS

# Pit side



- 1 JAC socket only
- 2 Swivel option JAC socket
- 3 Swivel only
- 4 Equipped hose

<b>Fluids:</b> Compressed air and nitrogen.	
<b>Operating pressure</b> (psi) of the complete line	217 to 580
<b>Operating temperature</b> (°F)	23 to 122
<b>Connection force</b> (N) of Airjack socket with plug	18
<b>Hose length</b> (in.) of equipped hose	197 or 315

**To lift the vehicle: push the socket onto the plug and the car lifts automatically.**

### To keep the car elevated:

#### with valved safety plug

Disconnect the coupling; pull back the lance grip, ensuring the vent collar on the plug is fixed in position.

or

#### with integrated venting plug

The car will remain elevated only while the socket is connected, ensuring that the lance is connected with maintained air supply.

### To lower the car:

#### with valved safety plug

Pull the collar from the plug and the system will instantly vent.

or

#### with integrated venting plug

Remove the lance and the system will instantly vent.

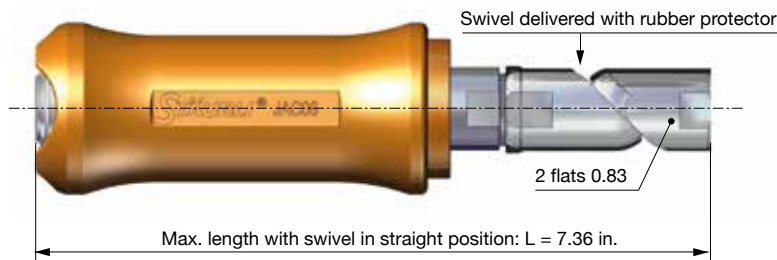
PART NUMBERS

# Airjack

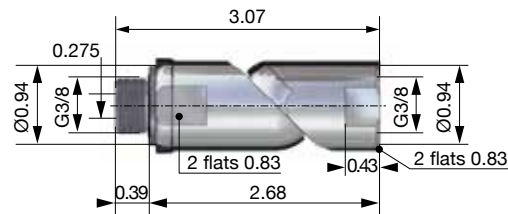
Socket	Part numbers
1. JAC lance	JAC 06.1102



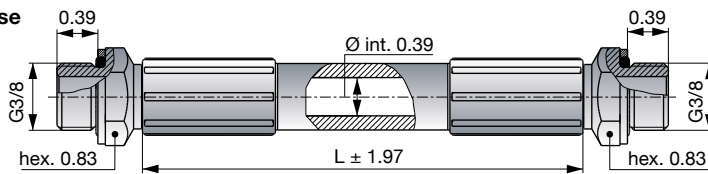
2. Swivel version JAC lance	JAC 06.1102/MSW
-----------------------------	-----------------



3. Swivel alone Swivel delivered with rubber protector	MSW 07.5202
---	-------------

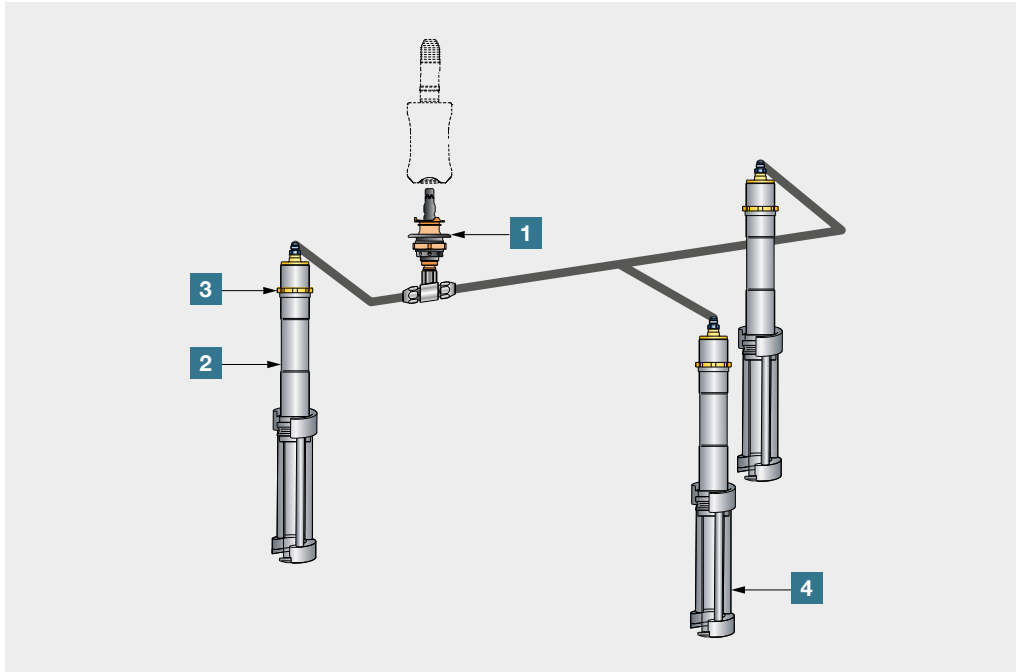


4. Equipped hose	Length: 197 in. R 792 030 10
	Length: 315 in. R 792 031 10



## PART NUMBERS

# Car side



- 1 JAC plug
- 2 Airjack quick-lift
- 3 Counternut & spare
- 4 Safety prop or carlifter

<b>Operating pressure (psi) of the complete line</b>		217 to 580		
<b>Operating temperature (°F)</b>		23 to 122		
<b>Connection force (lbf) of Airjack socket with plug</b>		18		
<b>Weight (oz)</b>	Plug			
	JAC plug	3.35		
	JAC plug with integrated venting	1.31		
	Airjack quick-lift (without nut)			
	Ø 2"	28.5		
	Ø 2", QE version	29.3		
	Ø 2 3/8"	33.9		
<b>Stroke (in.)</b>	Ø 2 3/8", QE version	34.6		
	Ø 2 3/8", PO version	35.3		
	Airjack quick-lift Ø 2"	9.29		
<b>Max. lift capability (lbs)</b>	Airjack quick-lift Ø 2 3/8"	9.06		
	Airjack quick-lift	pressure (psi)		
		580	435	290
	Ø 2"	1075	806	538
	Ø 2 3/8"	1654	1239	827

### Installation recommendations:

- ensure that the retracted airjack quick-lift is clear of the ground.
- check that the installation allows for the airjack to give a sufficient clearance for lifting of the car and positioning of a safety prop carlifter.
- ensure that the clearance is sufficient for all variations in suspension settings, wheel / tire sizes, etc.

## PART NUMBERS

1. Plug		Part numbers
<b>JAC valved safety plug</b>		<b>JAC 06.5655</b>
<b>JAC plug with integrated venting</b>		<b>JAC 06.4655</b>
2. Airjack quick-lift		Part numbers
<b>Diameter 2"</b>		<b>JAC 06.9050</b>
<b>Diameter 2", with integrated venting (QE)</b>		<b>JAC 06.9050/QE</b>
<b>Diameter 2 3/8"</b>		D = 2.83 <b>JAC 06.9060</b>
		D = 3.07 <b>JAC 06.9060/PO</b>
<b>Diameter 2 3/8", with integrated venting (QE)</b>		<b>JAC 06.9060/QE</b>

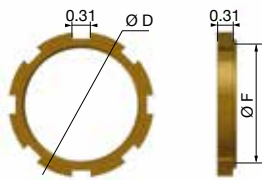
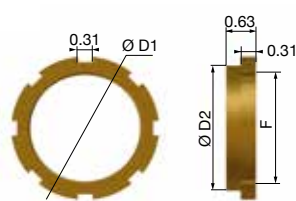
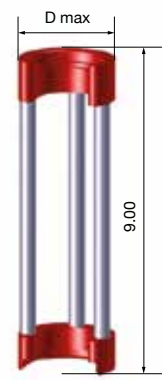

use of locking nut recommended (part number page 8).

### Specifications of tube for mounting in your chassis:

Airjack quick-lift	length of tube L (in.)		of tube A (in.)	
	mini	maxi	mini	maxi
Ø 2"	7.48	9.65	2.13	2.24
Ø 2 3/8"	8.27	10.2	2.6	2.64
Ø 2 3/8", PO version	8.27	10.2	2.72	2.91

## PART NUMBERS

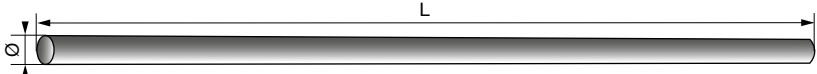
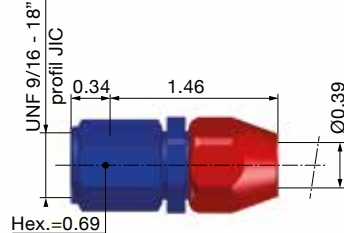
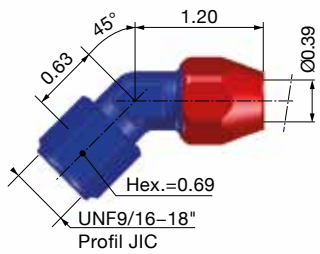
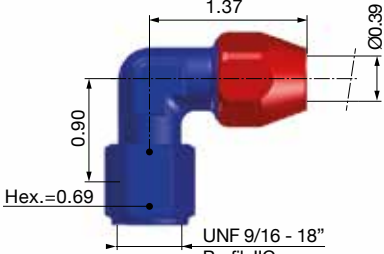
# Car side

3. Supplementary counternut and spare		Part numbers
<b>Locking nut</b> 	For Airjack quick-lift 2" F = M 50x1.5 D = 2.44	<b>JAC 06.9052</b>
	For Airjack quick-lift 2 3/8" F = M 60x1.5 D = 2.83	<b>JAC 06.9062</b>
<b>Location nut</b> 	For Airjack quick-lift 2" F = M 50x1.5 D1 = 2.44 D2 = 2.09	<b>JAC 06.9051</b>
	For Airjack quick-lift 2 3/8" F = M 60x1.5 D = 2.83 D2 = 2.52	<b>JAC 06.9061</b>
	For Airjack quick-lift 2 3/8", PO version F = M 60x1.5 D1 = 3.07 D2 = 2.67	<b>JAC 06.9063 /PO</b>
4. Airjack safety prop		Part numbers
	For Airjack quick-lift 2" D max. = 2.76	<b>JAC 06.9055</b>
	For Airjack quick-lift 2 3/8" D max. = 3.15	<b>JAC 06.9066</b>
5. Carlifter (integrated safety prop)		Part numbers
	For Airjack quick-lift 2" L = 17.1	<b>JAC 06.9056</b>
	For Airjack quick-lift 2 3/8" L = 17.1	<b>JAC 06.9065</b>
	For Airjack quick-lift 2 3/8", PO version L = 16.1	<b>JAC 06.9067</b>

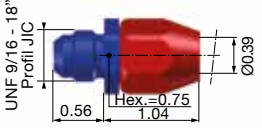
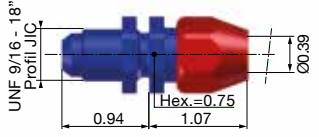
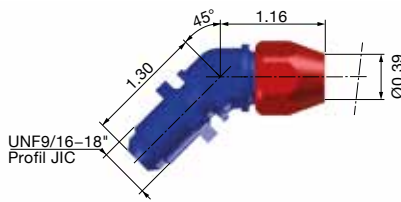
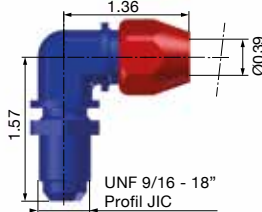
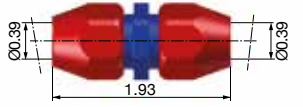
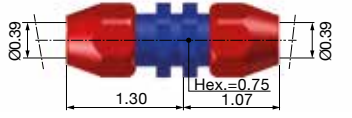
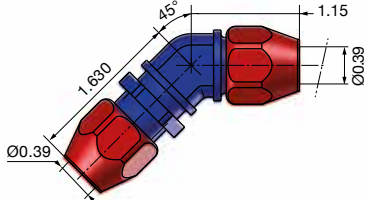
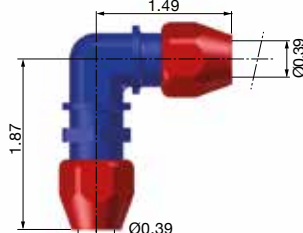


PART NUMBERS

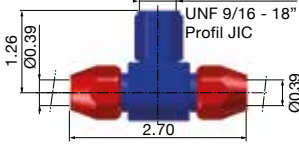
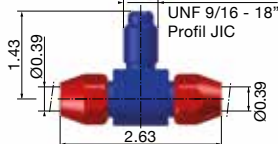
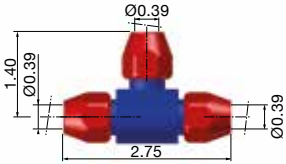
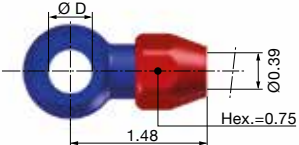
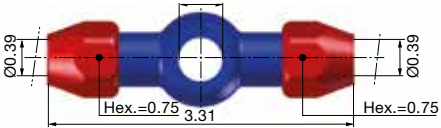
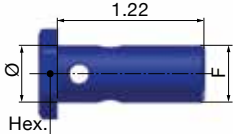
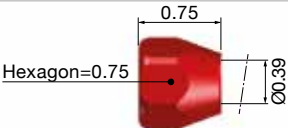
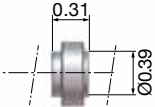
# Accessories

Tube	Part numbers
<p><math>\varnothing = 0.39</math> in - L = 157.5 in</p> 	<p>JAC 06.9001</p>
Fittings - 2 outlets	Part numbers
<p>UNF 9/16 - 18" profile JIC female - 1 tube <math>\varnothing 0.39</math> in.</p> 	<p>JAC 06.9004</p>
	<p>JAC 06.9006</p>
	<p>JAC 06.9008</p>

## PART NUMBERS

Fittings - 2 outlets	Part numbers
<p>UNF 9/16 - 18" profile JIC male - 1 tube Ø 0.39 in</p> 	JAC 06.9010
<p>bulkhead version</p> 	JAC 06.9021
	JAC 06.9024
	JAC 06.9027
2 tubes Ø 0.39 in	Part numbers
	JAC 06.9012
<p>bulkhead version</p> 	JAC 06.9020
	JAC 06.9023
	JAC 06.9026

**PART NUMBERS**

Tees - 3 outlets		Part numbers
<p><b>UNF 9/16 - 18"</b>  <b>profile JIC female</b>  <b>2 tubes Ø 0.39 in</b></p> 		<b>JAC 06.9016</b>
<p><b>UNF 9/16 - 18"</b>  <b>profile JIC male</b>  <b>2 tubes Ø 0.39 in</b></p> 		<b>JAC 06.9018</b>
<p><b>3 tubes Ø 0.39 in</b></p> 		<b>JAC 06.9014</b>
Banjos - 1 outlet for 1 tube Ø 0.39 in		Part numbers
	Ø D = 0.47	<b>JAC 06.9040</b>
	Ø D = 0.55	<b>JAC 06.9041</b>
	Ø D = 1/4"	<b>JAC 06.9042</b>
Banjos - 2 outlet for 2 tube Ø 0.39 in		Part numbers
	Ø D = 0.47	<b>JAC 06.9043</b>
	Ø D = 0.55	<b>JAC 06.9044</b>
	Ø D = 1/4"	<b>JAC 06.9045</b>
Banjos - Screws		Part numbers
	M 12x1 Ø D = 0.47 Hex.0.67	<b>JAC 06.9046</b>
	M 12x1.5 Ø D = 0.47 Hex.0.67	<b>JAC 06.9047</b>
	M 14x1.5 Ø D = 0.55 Hex.0.75	<b>JAC 06.9048</b>
	1/4" male Hex. 0.75	<b>JAC 06.9049</b>
	Spare parts	
<p><b>Spare socket tube Ø 0.39 in</b></p> 		<b>JAC 06.9003</b>
<p><b>Spare cutting ring tube Ø 0.39 in</b></p> 		<b>JAC 06.9002</b>

We reserve the right to modify, without prior notification, measurements, shape and material of component parts illustrated in our present brochure.



■ Stäubli Units    ○ Representatives/Agents

# Global presence of the Stäubli Group

[www.staubli.com](http://www.staubli.com)