

FAST MOVING TECHNOLOGY

**STÄUBLI**

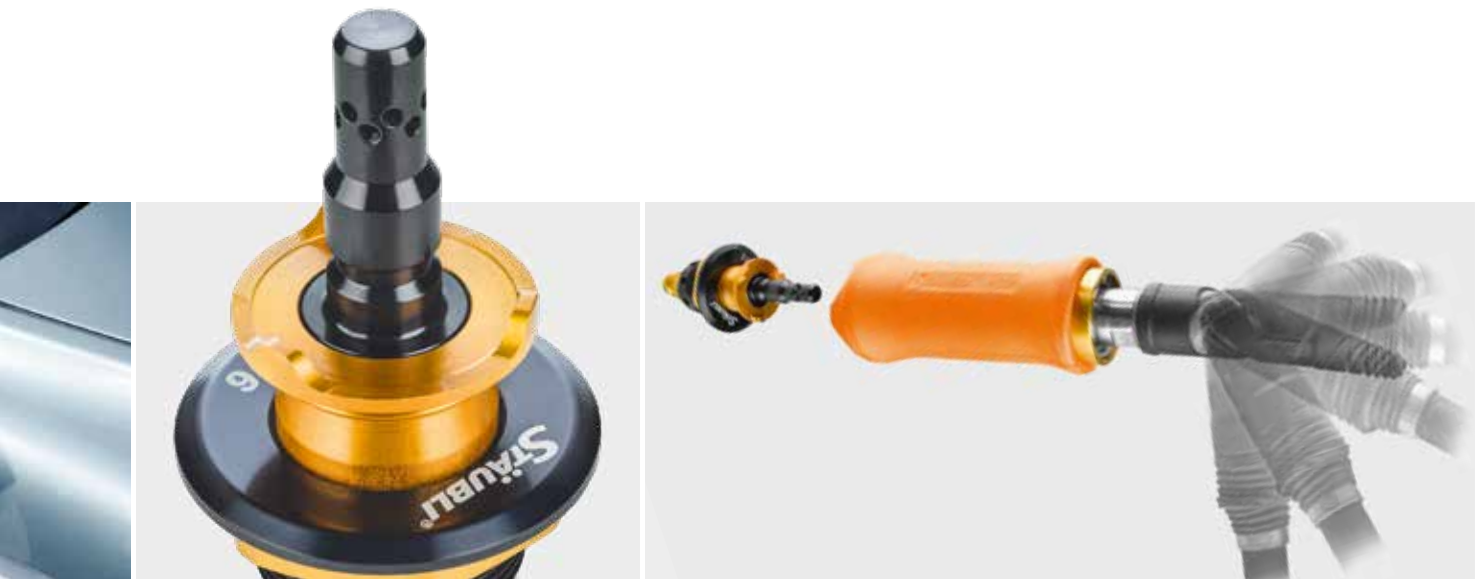
# Airjack system

Quick-lift | Lance | Motorsports





Discover Staubli solutions for motorsport 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 **80 N with circuit under pressure up to 40 bar.**

### 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 800 g
- rapidly acting cylinder venting in both directions
- compact system

### Safety

Dual safety features prevent accidental deployment of the jack.

### Two versions:

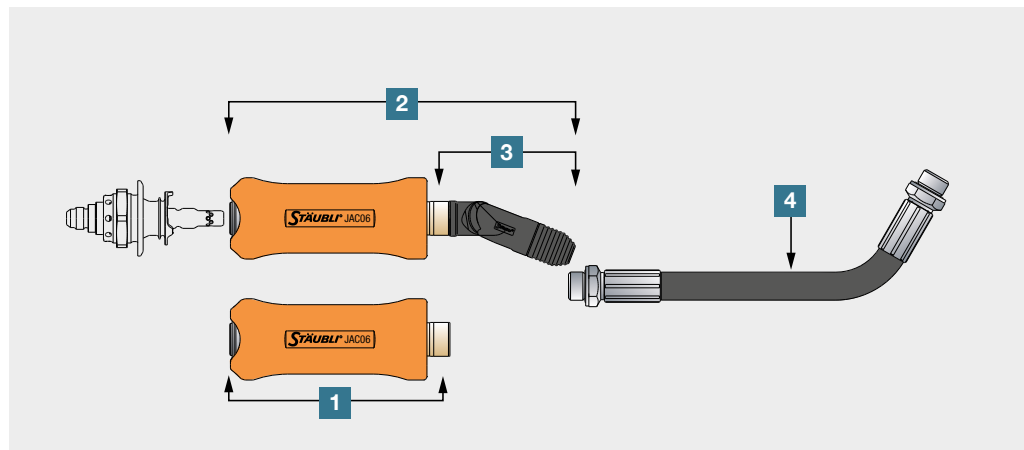
- standard
- with integrated exhaust system, it rapidly vents, direct from the cylinder (QE version).

### 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 (bar)</b> of the complete line	15 to 40
<b>Operating temperature (°C)</b>	-5 to +50
<b>Connection force (N)</b> of Airjack socket with plug	80
<b>Hose length (m)</b> of equipped hose	5 or 8

**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

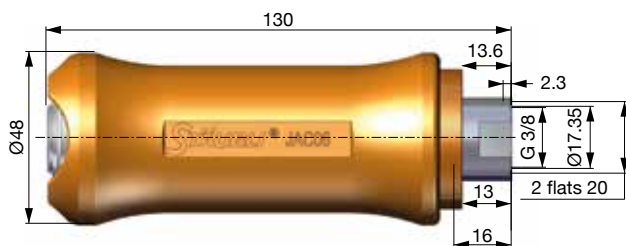
#### with integrated venting plug

Remove the lance and the system will instantly vent.

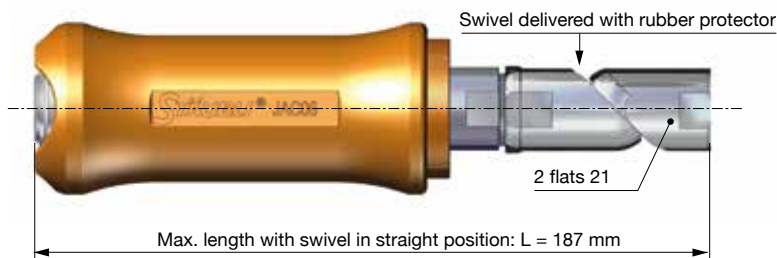
PART NUMBERS

# Airjack

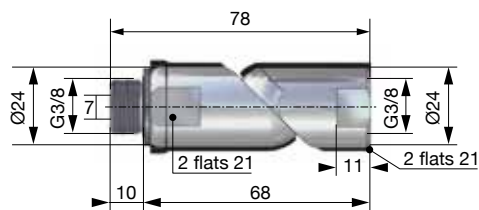
Socket	Part numbers
1. JAC lance	JAC 06.1102



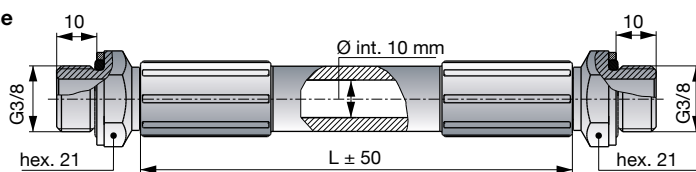
2. Swivel version JAC lance	JAC 06.1102/MSW
-----------------------------	-----------------



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

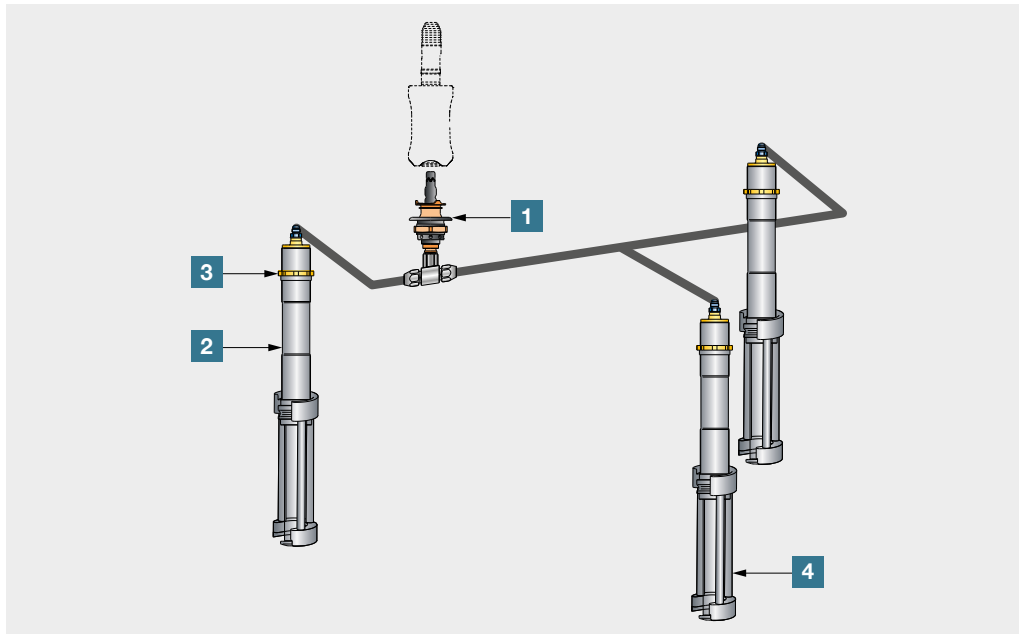


4. Equipped hose	Length: 5 m R 792 030 10
	Length: 8 m R 792 031 10



## PART NUMBERS

# Car side



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

<b>Operating pressure</b> (bar) of the complete line	15 to 40			
<b>Operating temperature</b> (°C)	-5 to +50			
<b>Connection force</b> (N) of Airjack socket with plug	80			
<b>Weight</b> (g)	Plug			
	JAC plug	101		
	JAC plug with integrated venting	39		
	Airjack quick-lift (without nut)			
	Ø 50	808		
	Ø 50, QE version	830		
	Ø 60	962		
	Ø 60, QE version	982		
<b>Stroke</b> (mm)	Airjack quick-lift Ø 50	236		
	Airjack quick-lift Ø 60	230		
<b>Max. lift capability</b> (kg)	Airjack quick-lift	pressure (bar)		
		40	30	20
	Ø 50	488	366	244
	Ø 60	750	562	375

### 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 / tyre sizes, etc.

## PART NUMBERS

1. Plug		Part numbers
<b>JAC valved safety plug</b>		JAC 06.5655
<b>JAC plug with integrated venting</b>		JAC 06.4655
2. Airjack quick-lift		Part numbers
<b>Diameter 50 mm</b>		JAC 06.9050
<b>Diameter 50 mm, with integrated venting (QE)</b>		JAC 06.9050/QE
<b>Diameter 60 mm</b>		D = 72 JAC 06.9050
		D = 78 JAC 06.9060/PO
<b>Diameter 60 mm, with integrated venting (QE)</b>		JAC 06.9060/QE

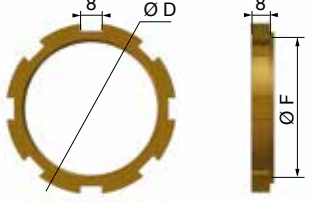
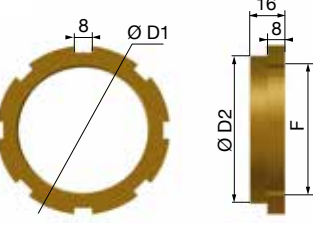
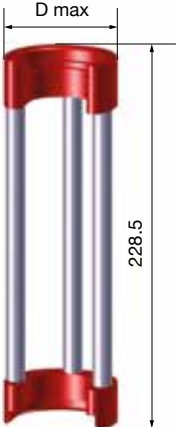

use of locking nut recommended (part number page 8).

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

Airjack quick-lift	length of tube L (mm)		of tube A (mm)	
	mini	maxi	mini	maxi
Ø 50	190	245	54	57
Ø 60	210	260	65	67
Ø 60, PO version	210	260	69	74

## PART NUMBERS

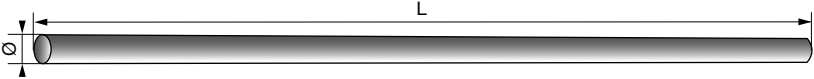
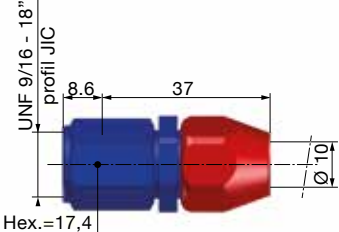
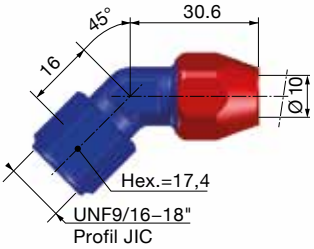
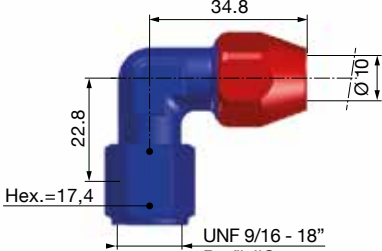
# Car side

3. Supplementary counter nut and spare		Part numbers
<b>Locking nut</b> 	For Airjack quick-lift 50 mm F = M 50x1.5 D = 62	<b>JAC 06.9052</b>
	For Airjack quick-lift 60 mm F = M 60x1.5 D = 72	<b>JAC 06.9062</b>
<b>Location nut</b> 	For Airjack quick-lift 50 mm F = M 50x1.5 D1 = 62 D2 = 53	<b>JAC 06.9051</b>
	For Airjack quick-lift 60 mm F = M 60x1.5 D = 72 D2 = 64	<b>JAC 06.9061</b>
	For Airjack quick-lift 60 mm, PO version F = M 60x1.5 D1 = 78 D2 = 67.9	<b>JAC 06.9063</b>
4. Airjack safety prop		Part numbers
	For Airjack quick-lift 50 mm D max. = 70	<b>JAC 06.9055</b>
	For Airjack quick-lift 60 mm D max. = 80	<b>JAC 06.9066</b>
5. Carlifter (integrated safety prop)		Part numbers
	For Airjack quick-lift 50 mm L = 434	<b>JAC 06.9056</b>
	For Airjack quick-lift 60 mm L = 434	<b>JAC 06.9065</b>
	For Airjack quick-lift 60 mm, PO version L = 409	<b>JAC 06.9067</b>

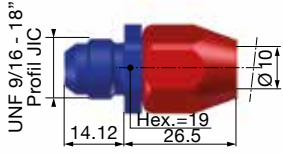
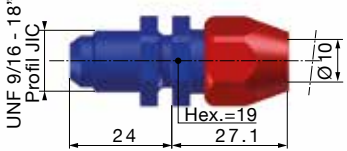
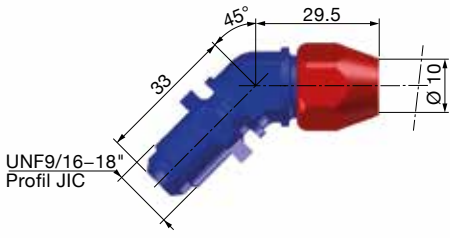
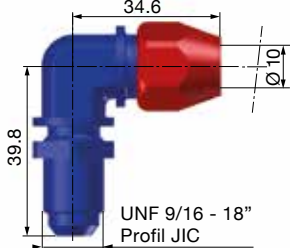
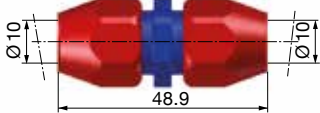
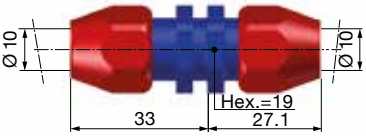
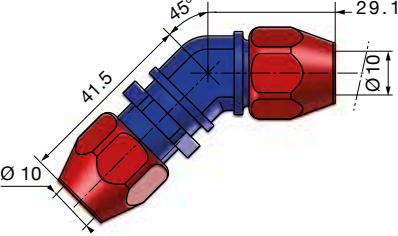
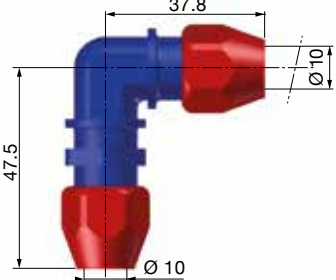


PART NUMBERS

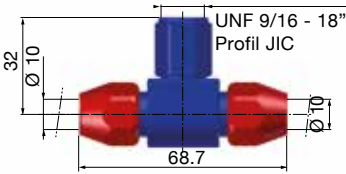
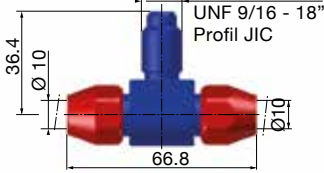
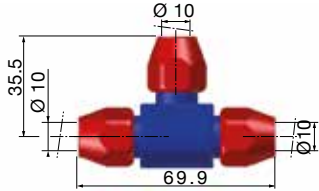
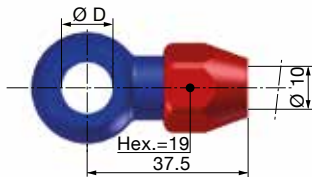
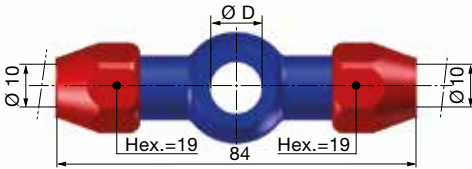
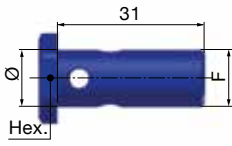
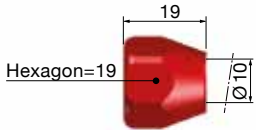
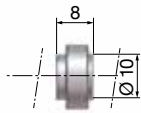
# Accessories

Tube	Part numbers
<p>Ø = 10 mm - L = 4 m</p> 	<p>JAC 06.9001</p>
Fittings - 2 outlets	Part numbers
<p>UNF 9/16 - 18" profile JIC female - 1 tube Ø 10 mm</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 10 mm</p> 	JAC 06.9010
<p>bulkhead version</p> 	JAC 06.9021
	JAC 06.9024
	JAC 06.9027
<p>2 tubes Ø 10 mm</p>	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>UNF 9/16 - 18" profile JIC female 2 tubes Ø 10 mm</p> 		JAC 06.9016
<p>UNF 9/16 - 18" profile JIC male 2 tubes Ø 10 mm</p> 		JAC 06.9018
<p>3 tubes Ø 10 mm</p> 		JAC 06.9014
Banjos - 1 outlet for 1 tube Ø 10 mm		Part numbers
	Ø D = 12 mm	JAC 06.9040
	Ø D = 14 mm	JAC 06.9041
	Ø D = 1/4"	JAC 06.9042
Banjos - 2 outlet for 2 tube Ø 10 mm		Part numbers
	Ø D = 12 mm	JAC 06.9043
	Ø D = 14 mm	JAC 06.9044
	Ø D = 1/4"	JAC 06.9045
Banjos - Screws		Part numbers
	M 12x1 Ø D = 12 mm Hex.17	JAC 06.9046
	M 12x1.5 Ø D = 12 mm Hex.17	JAC 06.9047
	M 14x1.5 Ø D = 14 mm Hex.19	JAC 06.9048
	1/4" male Hex. 19	JAC 06.9049
Spare parts		Part numbers
<p>Spare socket tube Ø 10 mm</p> 		JAC 06.9003
<p>Spare cutting ring tube Ø 10 mm</p> 		JAC 06.9002

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



■ Stäubli Units    ○ Agents

# Global presence of the Stäubli Group

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