FAST MOVING TECHNOLOGY

STÄUBLI

Airjack system

Quick-lift | Lance | Motorsports

Discover Stäubli solutions for motorsport applications at:
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

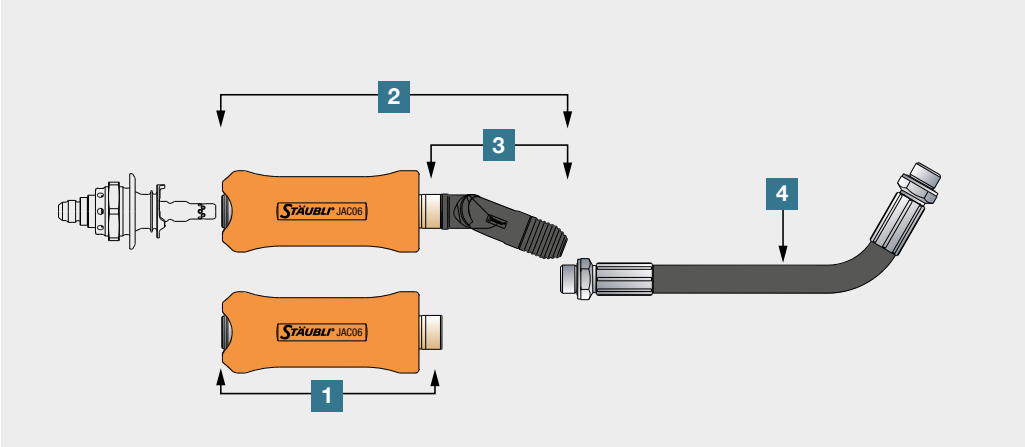
Safety
Dual safety features prevent accidental deployment of the jack.

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

Fluids: Compressed air and nitrogen.	
Operating pressure (bar) of the complete line	15 to 40
Operating temperature (°C)	-5 to +50
Connection force (N) of Airjack socket with plug	80
Hose length (m) of equipped hose	5 or 8

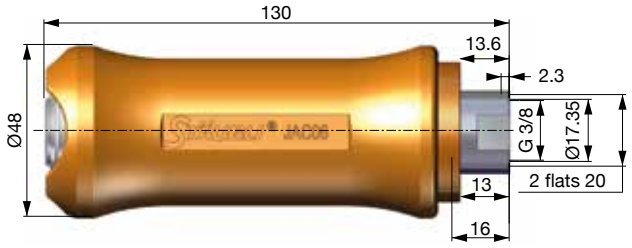
To lift the vehicle: push the socket onto the plug and the car lifts automatically.

To keep the car elevated:	**To lower the car:**
with valved safety plug Disconnect the coupling; pull back the lance grip, ensuring the vent collar on the plug is fixed in position.	**with valved safety plug** Pull the collar from the plug and the system will instantly vent.
or	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.	**with integrated venting plug** Remove the lance and the system will instantly vent.

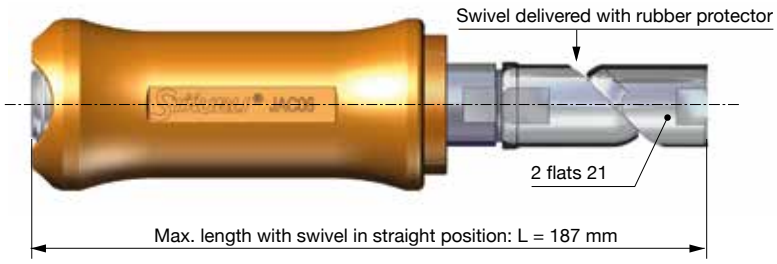
PART NUMBERS

Airjack

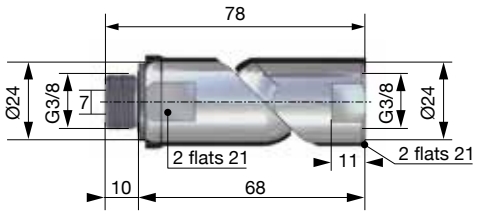
Socket	Part numbers
1. JAC lance	**JAC 06.1102**



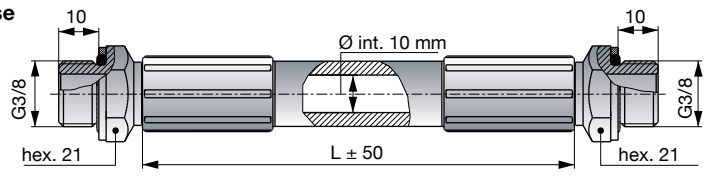
2. Swivel version JAC lance	**JAC 06.1102/MSW**



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

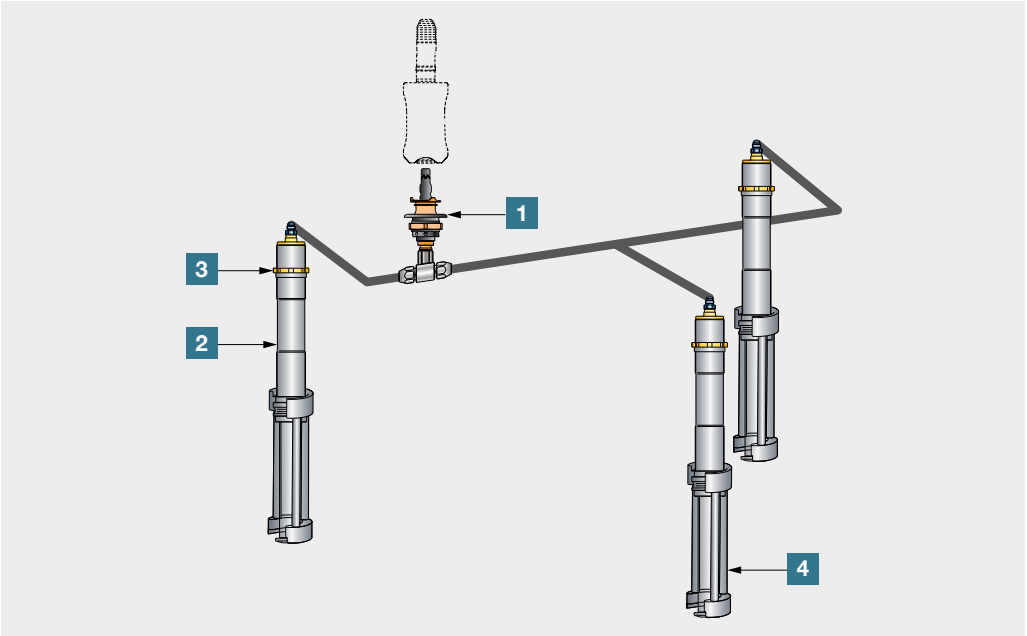


4. Equipped hose	Length: 5 m	**R 792 030 10**
	Length: 8 m	**R 792 031 10**



PART NUMBERS

Car side



1 JAC plug

2 Airjack quick-lift

3 Counternut & spare

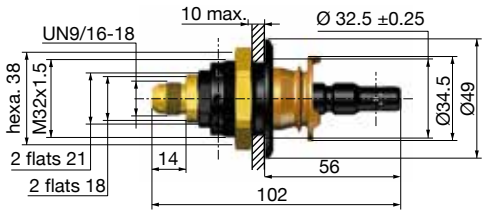
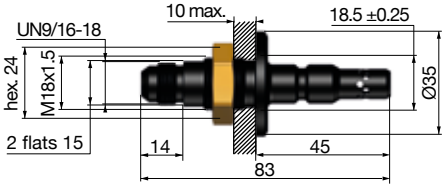
4 Safety prop or carlifter

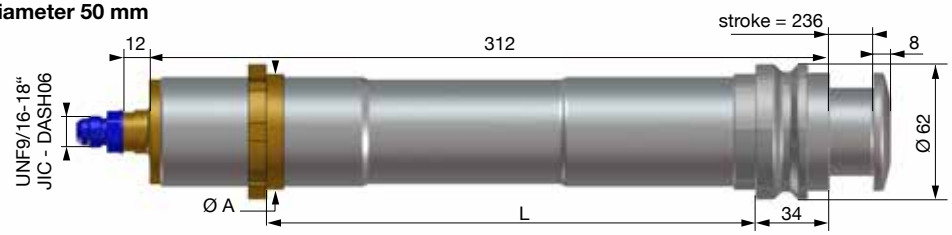
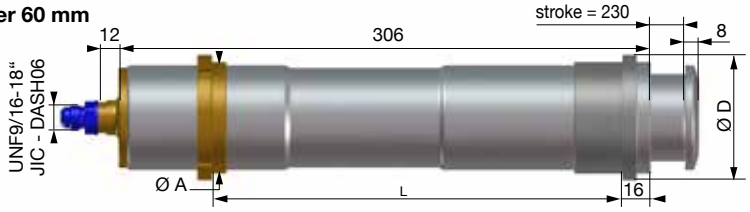
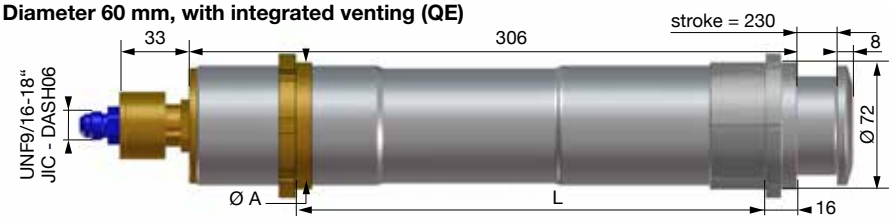
Operating pressure (bar) of the complete line				15 to 40
Operating temperature (°C)				-5 to +50
Connection force (N) of Airjack socket with plug				80
Weight (g)	Plug			
	JAC plug			101
	JAC plug with integrated venting			39
	Airjack quick-lift (without nut)			
	Ø 50			808
	Ø 50, QE version			830
	Ø 60			962
	Ø 60, QE version			982
	Ø 60, PO version			1002
Stroke (mm)	Airjack quick-lift Ø 50			236
	Airjack quick-lift Ø 60			230
Max. lift capability (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 suffcient for all variations in suspension settings, wheel / tyre sizes, etc.

PART NUMBERS

1. Plug	Part numbers
JAC valved safety plug 	**JAC 06.5655**
JAC plug with integrated venting 	**JAC 06.4655**

2. Airjack quick-lift		Part numbers
Diameter 50 mm 		**JAC 06.9050**
Diameter 50 mm, with integrated venting (QE) 		**JAC 06.9050/QE**
Diameter 60 mm 	D = 72	**JAC 06.9050**
	D = 78	**JAC 06.9060/PO**
Diameter 60 mm, with integrated venting (QE) 		**JAC 06.9060/QE**

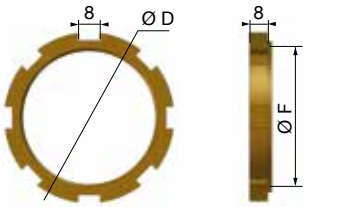
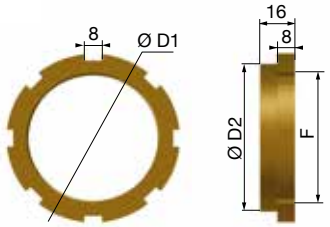
use of locking nut recommended (part number page 8).

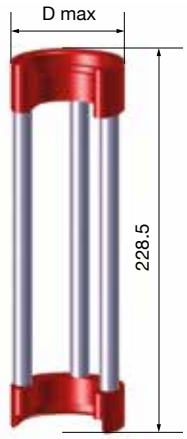
Specifications of tube for mounting in your chassis:

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

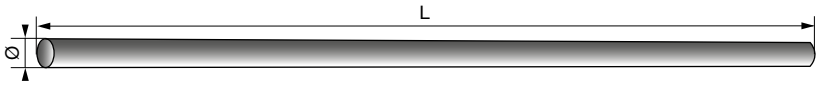
3. Supplementary counternut and spare		Part numbers
Locking nut 	For Airjack quick-lift 50 mm F = M 50x1.5 D = 62	**JAC 06.9052**
	For Airjack quick-lift 60 mm F = M 60x1.5 D = 72	**JAC 06.9062**
Location nut 	For Airjack quick-lift 50 mm F = M 50x1.5 D1 = 62 D2 = 53	**JAC 06.9051**
	For Airjack quick-lift 60 mm F = M 60x1.5 D = 72 D2 = 64	**JAC 06.9061**
	For Airjack quick-lift 60 mm, PO version F = M 60x1.5 D1 = 78 D2 = 67.9	**JAC 06.9063 /PO**

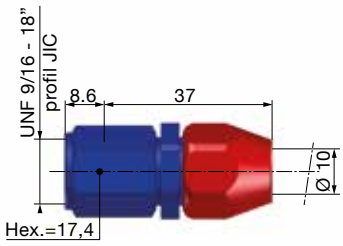
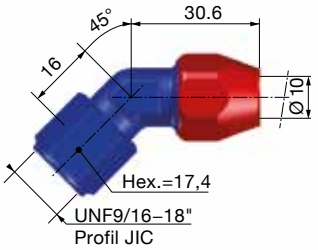
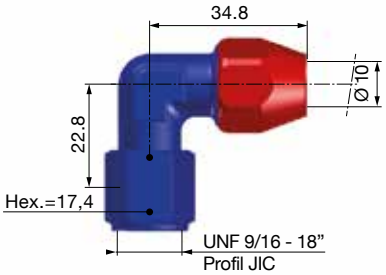
4. Airjack safety prop		Part numbers
	For Airjack quick-lift 50 mm D max. = 70	**JAC 06.9055**
	For Airjack quick-lift 60 mm D max. = 80	**JAC 06.9066**

5. Carlifter (integrated safety prop)		Part numbers
	For Airjack quick-lift 50 mm L = 434	**JAC 06.9056**
	For Airjack quick-lift 60 mm L = 434	**JAC 06.9065**
	For Airjack quick-lift 60 mm, PO version L = 409	**JAC 06.9067**

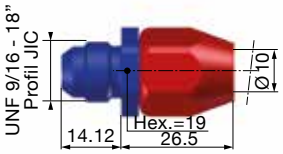
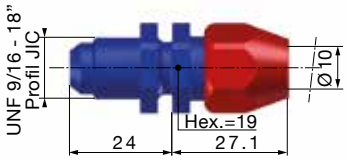
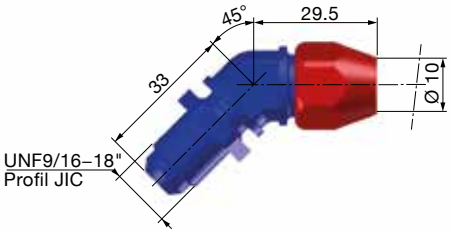
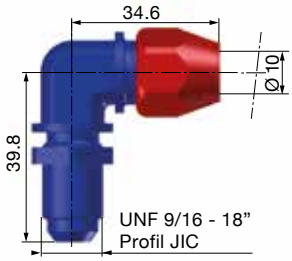
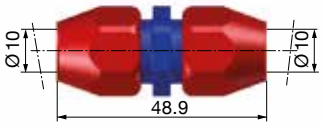
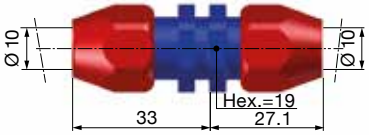
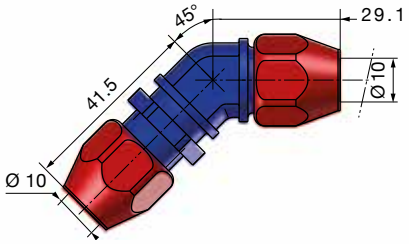
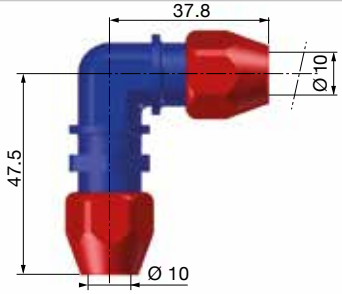
PART NUMBERS

Accessories

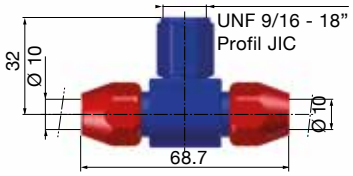
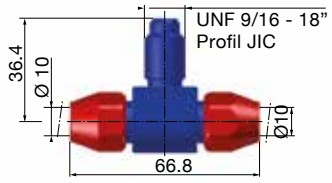
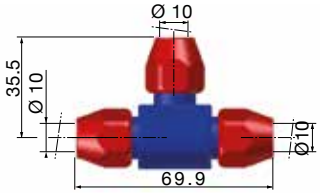
Tube	Part numbers
Ø = 10 mm - L = 4 m 	**JAC 06.9001**

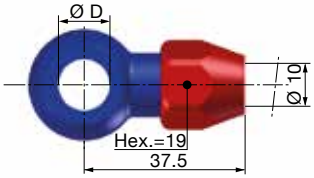
Fittings - 2 outlets	Part numbers
UNF 9/16 - 18" profile JIC female - 1 tube Ø 10 mm	
	**JAC 06.9004**
	**JAC 06.9006**
	**JAC 06.9008**

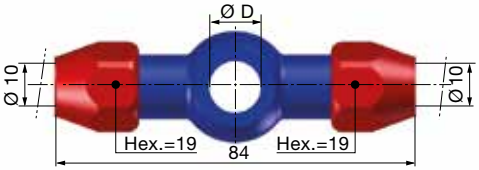
PART NUMBERS

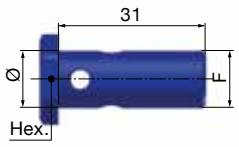
Fittings - 2 outlets	Part numbers
UNF 9/16 - 18” profile JIC male - 1 tube Ø 10 mm	
	**JAC 06.9010**
bulkhead version 	**JAC 06.9021**
	**JAC 06.9024**
	**JAC 06.9027**
2 tubes Ø 10 mm	**Part numbers**
	**JAC 06.9012**
bulkhead version 	**JAC 06.9020**
	**JAC 06.9023**
	**JAC 06.9026**

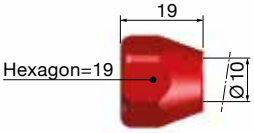
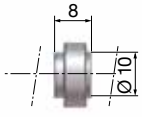
PART NUMBERS

Tees - 3 outlets		Part numbers
UNF 9/16 - 18" profile JIC female 2 tubes Ø 10 mm		**JAC 06.9016**
UNF 9/16 - 18" profile JIC male 2 tubes Ø 10 mm		**JAC 06.9018**
3 tubes Ø 10 mm		**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
Spare socket tube Ø 10 mm		**JAC 06.9003**
Spare cutting ring tube Ø 10 mm		**JAC 06.9002**

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

RZ4140302A

■ Stäubli Units ○ Agents

Global presence of the Stäubli Group

www.staubli.com

Staubli is a trademark of Stäubli International AG, registered in Switzerland and other countries. © Stäubli 01/2019.
We reserve the right to modify product specifications without prior notice.
connectors.mkg@staubli.com | Photocredits: Stäubli, Turbosquid

STÄUBLI