



SINO-ASIA



SINO-ASIA

Aircraft Jack

- *Axle Jacks*
- *Tripod Jacks*
- *Load Cell Gauge*

**A WORLD LEADER IN AIRCRAFT
MAINTENANCE EQUIPMENT**

SINO-ASIA GLOBAL LIMITED





Axle Jack Technical Specification:

The jack uses the original gas of the aircraft tire as the lifting power gas source, and can also use air compressor or nitrogen bottle gas as the power source to carry out the lifting operation.

Up&down switch

Water filter and pressure limiting device

Three connection hose, Each one is 3m

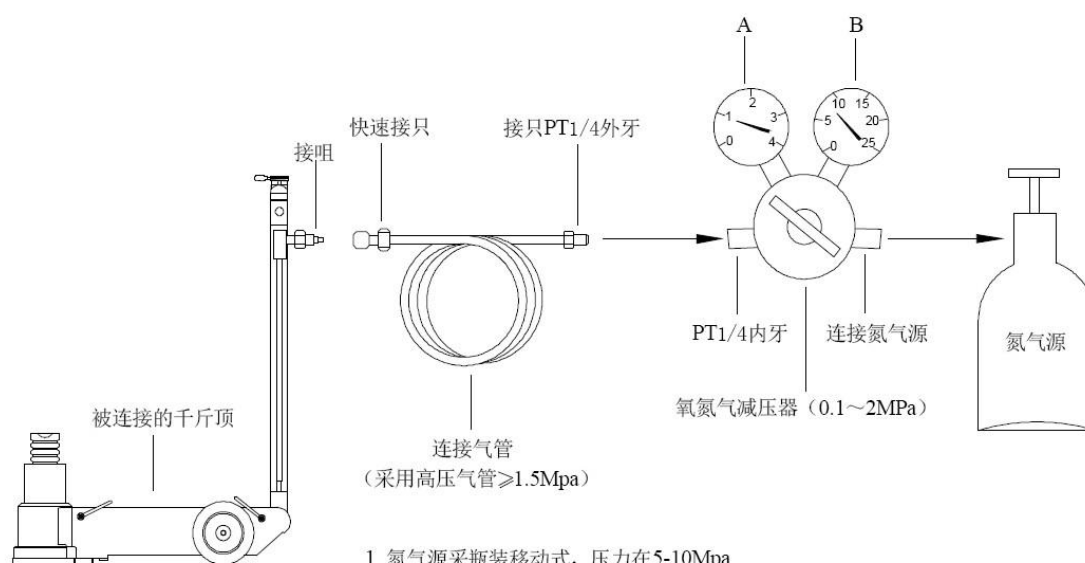
connecting aircraft tires

Connect to nitrogen Bottle

Adjustable height Retractable bar (90-136cm)



Air source the connection diagram is as follows



1. 氮气源采瓶装移动式, 压力在5-10Mpa
2. A表为减压后氮气压力, 调整此表压力在0.8-1.2Mpa内, 不可超过此范围
3. B表为显示氮气瓶压力



• **AXLE-12TMN (642S)**

Applicable model (Nose wheel):

A318, A319, A320, A321, ARJ21, ATR42, ATR72, Avro RJ, B717, B737, BAC1-11, BAE146, CL601, CL602, CL604, CL605, CL610, CS100, CS300, D228, D328, Dash 7, Dash 8, DC9, DHC5, DHC6, Embraer Legacy 450/500/600/650, ERJ-135/-145/-170/-175/-190/-195, F27, F28, F50, F100, Falcon 10, Falcon 20, Falcon 50, Falcon 100, Global Express, HS125, Jetstar, Learjet 45, Learjet 75, MD80, MD90, S330, S360, SF340

Applicable model (Main wheel)

ATR42, ATR72, D228, D328, Dash 7, Dash 8, DHC5, DHC6, Dornier 228/328, Embraer Legacy 450/500/600/650, F27, F50, Falcon 10, Falcon 20, Falcon 50, Falcon 100, Jetstar, Learjet 45, Learjet 75, S330, S360, SF340

Totally Height 总高度:432mm

Min Height 最低高度:162mm

Adjust Height 调整高度:69mm

Lifting Height 举升高度:201mm

Length * width 长*宽: 350*127mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight		
AXLE-12TMN (642S)	12T	162mm	201mm	69mm	432mm	26Kg		



•AXLE-12TN

Applicable model (Nose wheel):

B717/B737-100,-200

DC9 /MD90/ARJ21

Totally Height 总高度:360mm

Min Height 最低高度:180mm

Adjust Height 调整高度:76mm

Lifting Height 举升高度:104mm

Length * width 长*宽: 294*135mm



•AXLE-15TN

Applicable model (Nose wheel):

A319/A320/A321

B717/B737

DC9/ MD90

Totally Height 总高度:417mm

Min Height 最低高度:203mm

Adjust Height 调整高度:95mm

Lifting Height 举升高度:119mm

Length * width 长*宽: 294*135mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight	Pressure(PSI)	Dia .Hose (mm)	Hose Length
AXLE-12TN	12T	180mm	104mm	76mm	360mm	24Kg	N/A	N/A	N/A
AXLE-15TN	15T	203mm	119mm	95mm	417mm	25Kg	N/A	N/A	N/A



•AXLE-18TN

Applicable model (Nose wheel):

A319/A320/A321/A330/ A340-200,-300

B707/B720/B727/B737

B757-200,-300/B787

DC8/DC9/MD90/L1011

Totally Height 总高度:400mm

Min Height 最低高度:200mm

Adjust Height 调整高度:100mm

Lifting Height 举升高度:100mm

Length * width 长*宽: 728*165mm



•AXLE-35TMN

Applicable model (Main wheel):

B717/B737-100,-200,-300

B757-200,-300/DC9

Applicable model (Nose wheel):

A300/A310/A319/A320/A321/A330/A340-200,-300/A350-900

B707/B720/B727/B737/B757-200,-300/B767/B787

DC8/DC10/MD11/L1011

Totally Height 总高度:468mm

Min Height 最低高度:230mm

Adjust Height 调整高度:110mm

Lifting Height 举升高度:128mm

Length * width 长*宽: 756*165mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight	Pressure(PSI)	Dia .Hose (mm)	Hose Length
AXLE-18TN	18T	200mm	100mm	100mm	400mm	53Kg	115-215	ø8	3m
AXLE-35TMN	35T	230mm	128mm	110mm	468mm	56Kg	115-215	ø8	3m



•AXLE-45TMN

Applicable model (Main wheel):

A300/A310/A319/A320/A321

B707/B717/B720/B727/B737

B747SP/B757-200,-300/DC8/DC9/MD90

Applicable model (Nose wheel):

A300/A310/A330/A340-200,-300/A350-900

B707/B720/B727/B757-200,-300/B767/B777/B787

DC8/DC10/MD11/L1011

Totally Height 总高度:557mm

Min Height 最低高度:270mm

Adjust Height 调整高度:127mm

Lifting Height 举升高度:160mm

Length * width 长*宽: 830*184mm



•AXLE-65TMN

Applicable model (Main wheel):

A300/A310/A319/A320/A321/A330-300/A340-200,-300

B707/B717/B720/B727/B737/B747SP/B757-200,-300

B767-200,300,400ER/B787/DC8/DC9/DC10/MD90/MD11/L1011

Applicable model (Nose wheel):

A300/A310/A330-300/A340/A350-900

B707/B720/B727/B767/B777/B787/DC10/MD11/L1011

Totally Height 总高度:566mm

Min Height 最低高度:280mm

Adjust Height 调整高度:127mm

Lifting Height 举升高度:159mm

Length * width 长*宽: 916*203mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight	Pressure(PSI)	Dia .Hose (mm)	Hose Length
AXLE-45T MN	45T	270mm	160mm	127mm	557mm	72Kg	115-215	ø8	3m
AXLE-65T MN	65T	280mm	159mm	127mm	566mm	90Kg	115-215	ø8	3m



• **AXLE-65TMNH**

Applicable model (Main wheel):

A300/A310/A319/A320/A321/A330-300/A340-200,-300

B717/B727/B737/B767-400ER/B787

DC8/DC9/DC10/MD90/D11/L1011

Applicable model (Nose wheel):

A340-500,-600

B727/B747/B777/B767/-200,-300,400ER/ MD11

Totally Height 总高度:662mm

Min Height 最低高度:320mm

Adjust Height 调整高度:150mm

Lifting Height 举升高度:192mm

Length * width 长*宽: 829*203mm



• **AXLE-95TMN**

Applicable model (Main wheel):

A300/A310/A319/A320/A321/A330/A340/A350-900

B727/B737/B747-800/B767-400ER/B777/B787

DC8/DC10/MD11/L1011

Applicable model (Nose wheel):

A340-500,-600

B727/B767/B777

MD11

Totally Height 总高度:629mm

Min Height 最低高度:320mm

Adjust Height 调整高度:127mm

Lifting Height 举升高度:182mm

Length * width 长*宽: 877*252mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight	Pressure(PSI)	Dia .Hose (mm)	Hose Length
AXLE-65T MN	65T	320mm	192mm	150mm	662mm	96Kg	115-215	ø8	3m
AXLE-90T MN	90T	320mm	182mm	127mm	629mm	127Kg	115-215	ø8	3m

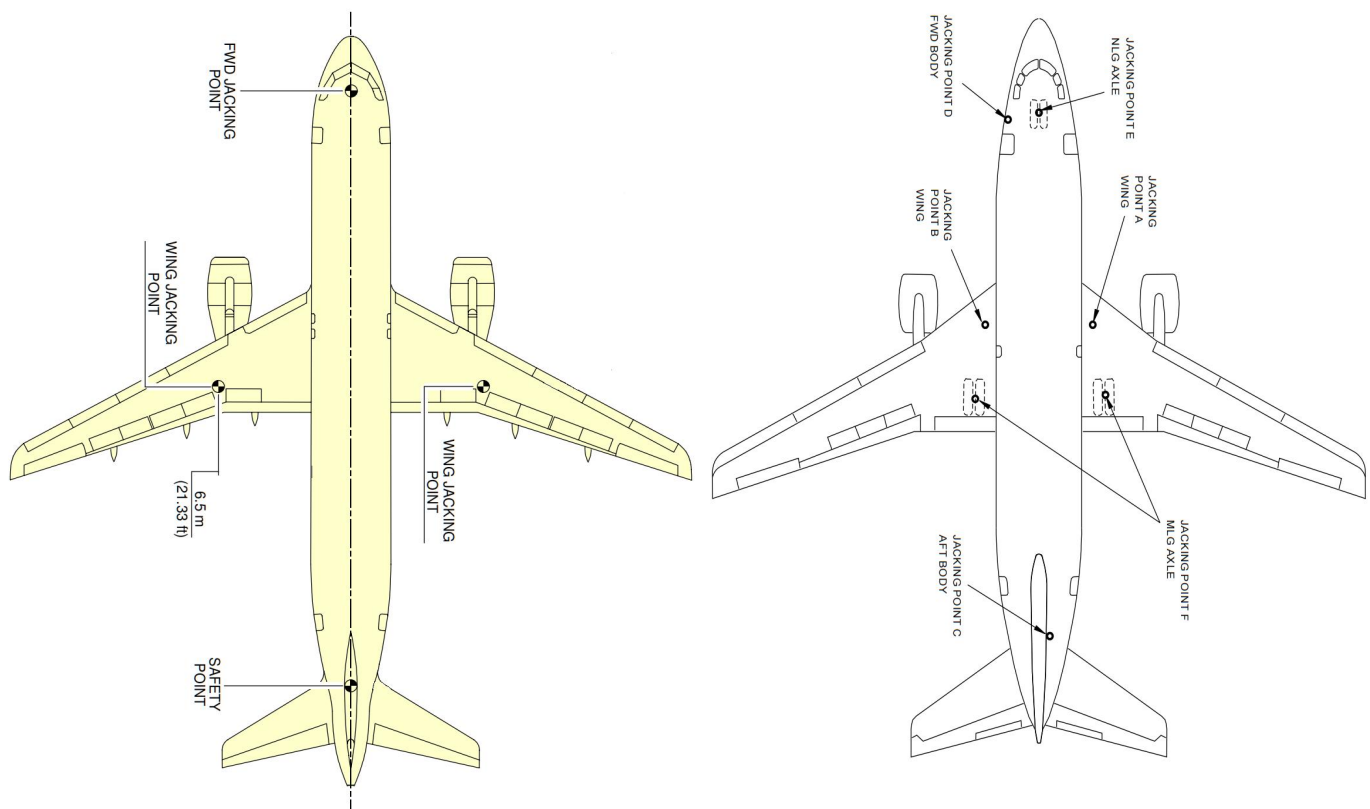


Tripod Jack Technical Specification:

Our tripod-jacks facilitate highly cost-effective and efficient maintenance of your aircraft. The consistent modularity allows them to be configured according to your specific requirements. Various configuration options, from the basic to the high-end versions, are available. As an option in combination with our central Electronic Jacking And Levelling control system (EJAL).

The portfolio includes tripod-jacks with a wide range of 2 up to 210 tons. The whole aircraft fleet—narrow-body, wide-body, business jets, regional jet aircraft or helicopters is covered.

Taking A320 and B737 as examples, the position of aircraft jack-up points is shown below





• TJ40

Applicable model (Nose NEZ):

A320 family CEO + NEO (A318-A319-A320-A321) (1) (2);
B737-100~900+MAX(1)(2);
Comac C919;

Totally Height 总高度:3470mm

Min Height 最低高度:1425mm

Adjust Height 调整高度:195mm

Lifting Height 举升高度:1850mm

L* W*H 长*宽*高: 1813*2064*1425mm



• TJ42

Applicable model (TAIL-QUEUE):

A320 family CEO + NEO (A318-A319-A320-A321) (1) (2);
B737-100~900+MAX(1)(2);

Totally Height 总高度:4620mm

Min Height 最低高度:2570mm

Adjust Height 调整高度:N/A

Lifting Height 举升高度:2050mm

L* W*H 长*宽*高: 1900*2160*2600mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight		
TJ40	11T	1425mm	1850mm	69mm	3470mm	489Kg		
TJ42	11T	2570mm	2050mm	N/A	4620mm	660Kg		



• TJ21

Applicable model (WINGS-AILES):

A320 family CEO + NEO (A318-A319-A320-A321) (1) (2);
Comac C919;

Totally Height 总高度:4585mm

Min Height 最低高度:2475mm

Adjust Height 调整高度:310mm

Lifting Height 举升高度:1800mm

L* W*H 长*宽*高: 2330*2620*2500mm



• TJ31

Applicable model (WINGS-AILES):

WINGS-AILES:B737-100~900+MAX(1)(2);
BREGUET ATLANTIC(1)(2);

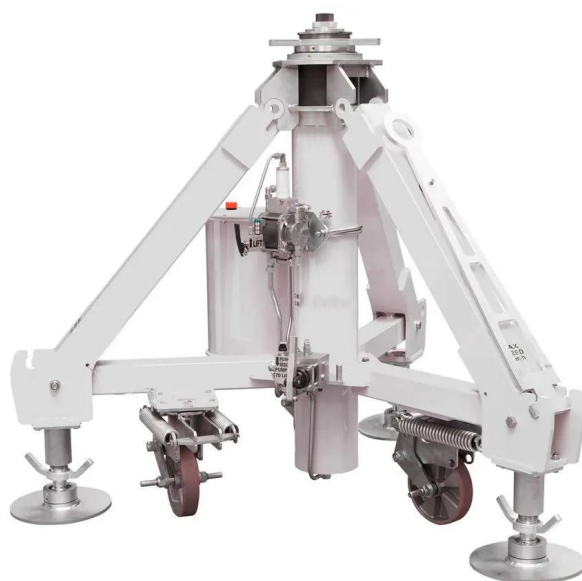
Totally Height 总高度:3110mm

Min Height 最低高度:1700mm

Adjust Height 调整高度:310

Lifting Height 举升高度:1100mm

L* W*H 长*宽*高: 1713*1925*1700mm



Model	SWL	Min Height	Lifting Height	Adjust Height	Totally Height	Self Weight		
TJ21	39T	2475mm	1800mm	310mm	4585mm	1200Kg		
TJ31	39T	1700mm	1100mm	310mm	3110mm	875Kg		



The model of other aircraft are as follows

Airbus A320 Family

TJ20	NOSE-NEZ: A320 family CEO + NEO (A318-A319-A320-A321) (1) (2);
AS50	TAIL-QUEUE: A320 family CEO + NEO (A318-A319-A320-A321) (1) (2);
AS10	SHORING-ETAYAGE: A320 family CEO(318-319-320-321)+NEO;
AS61	SHORING-ETAYAGE: A320 family CEO(318-319-320-321)+NEO;

Boeing B737 Family

AS51	NOSE-NEZ: B737-100~900+MAX(1)(2);
TJ30	TAIL-QUEUE: B737-100~900+MAX(1)(2);

Airbus / Boeing Compatible

TJ41	NOSE-NEZ: A330(1); A340(1) ; A350(1); Beluga XL(1); TAIL-QUEUE: A320 family CEO + NEO (A318-A319-A320-A321) (1)(2); B737-100~900+MAX(1)(2);
TJ50	NOSE-NEZ: A300(1)(2); A310(1)(2); A330-200-300 (1) (2); A340-200-300-500-600 (1) (2); A350-900-1000 (1) (2) ; B787-8-9 (1) (2);
TJ60	NOSE-NEZ: A300 (1) (2); A310 (1) (2); A330-200-300 (1)(2); A340-200-300-500-600 (1) (2); A350-900-1000 (1) (2); B747 (1) (2); B757 (1) (2); B767 (1) (2); B777 (1) (2); B787 (1) (2); WINGS-AILES: AB767(1)(2);
TJ61	WINGS-AILES: A300 (1) (2); A310 (1) (2); A330-200-300 (1) (2); A340-200-300-500-600 (1) (2); A350-900-1000 (1) (2); B747 (1) (2),B747 (1) (2); B757 (1) (2); B767 (1) (2); B777 (1) (2); B787 (1) (2);
TJ62	TAIL-QUEUE: A300 (1) (2); A310 (1) (2); A330-200-300 (1) (2); A340-200-300-500-600 (1) (2); A350-900-1000 (1) (2); B747 (1) (2); B777 (1) (2); B787 (1) (2);

**Airbus A330/340/350**

AS52	TAIL-QUEUE: A330-200-300 (1) (2) ; A340-200-300-500-600 (1) (2) ; A350-900-1000 (1) (2);
AS60	SHORING-ETAYAGE: A330/A340;
TJ51	WINGS-AILES: A300 (1)(2); A310(1)(2); A330-200-300(1)(2); A340-200-300-500-600 (1) (2); A350-900-1000 (1) (2);
TJ52	NOSE-NEZ: A350-900-1000 (1) (2);
Boeing B787	
AS53	NOSE-NEZ: B787-8-9(1)(2);
TJ80	TAIL-QUEUE: B787-8-9 (1) (2);
TJ81	WINGS-AILES: B787-8-9 (1) (2);



Load Cell Gauge Technical Specification:

343 Hydraulic Force Gauge / Load Cell

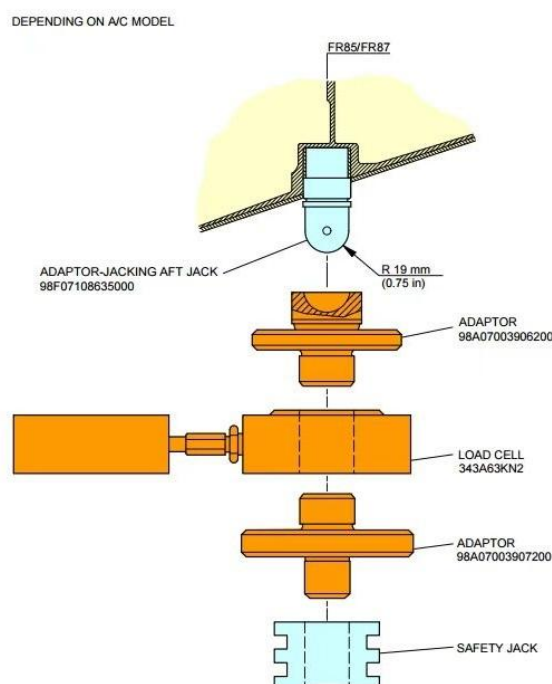
measure the stress when the jack lifts the aircraft.

measure the Weight aircraft.

Our aircraft load-bearing system will provide efficient maintenance for your aircraft. There are various configuration options, from basic to high-end versions, and the load cell is equipped with computer software. Consistent sensor modules allow configuration according to your specific needs.

The product mix ranges from 1 ton to 210 tons (larger tonnage can be achieved). It can cover the entire fleet-narrow-body aircraft, wide-body aircraft, business jets, regional aircraft or helicopters.

The schematic diagram of Load Cell installation is as follows.





•343

343A "A" standard version

343B "B" custom version

Model :

343A10KN2 / 343A16KN2 / 343A25KN2

343A40KN2 / 343A63KN2 / 343A100KN2

343A160KN2 / 343A250KN2 / 343A400KN2

343A630KN2

Force Capacity:

1KN	1.6KN	2.5KN	4KN	6.3KN
10KN	16KN	25KN	40KN	63KN
100KN	160KN	250KN	400KN	630KN
1MN	A larger range can be achieved			

Host parameters

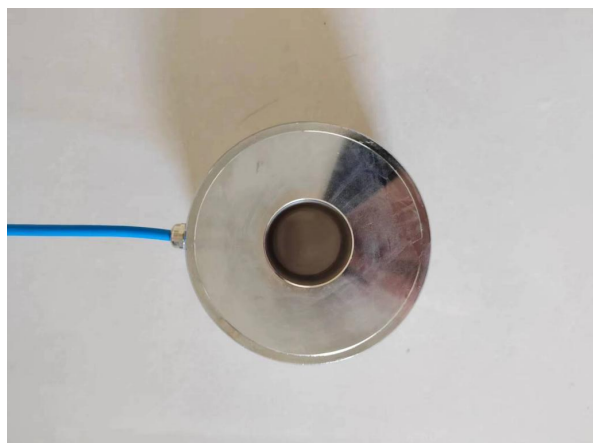
Host data co-channel:3/4/8/12/16 (optional)

unit of measure: KN / T

Host display:liquid crystal panel (PC software)

transmission mode:Wired or wireless (optional)

Load Cell size: De120*D41*T54.88mm





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THANK YOU

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