



# AXLE JACK CATALOG

## YOUR ONE STOP SHOP

Your trusted partner in ground support equipment, repairs, engineering services, and technical expertise - all under one roof.

### **MANIFOLD & PHALOR, INC.**

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[www.mpi-gse.com](http://www.mpi-gse.com)



# AXLE JACKS

## OVERVIEW

Our tried and true axle jacks are designed with efficiency and reliability in mind. Our axles range from 45 to 95 tons, offering a wide coverage of narrow and wide body aircraft. Our axle jacks are manufactured, tested, and proof-loaded at 150%, All done under one roof to ensure the highest quality product leaves our facility.



## PRODUCT FEATURES

- ◆ Chrome plating on ID of plungers for durability
- ◆ Hydraulic fuse to prevent dropping load on the event of a fluid line failure
- ◆ Two manual hand pumps (high pressure/low volume, low pressure/high volume)
- ◆ Single valve control for raise and lower of aircraft
- ◆ Control console with instruction decals
- ◆ Rain hat
- ◆ Oil filter cap with filtered air vent and dipstick
- ◆ Swivel casters with retractable front caster
- ◆ All non-painted parts are plated for corrosion resistance
- ◆ Custom paint color
- ◆ 1 year standard warranty

## OPTIONAL FEATURES

- ◆ Load Gauge
- ◆ Air-operated hydraulic pump
- ◆ Vacuum / Auto retract options

# AIRCRAFT APPLICATIONS



45A0712	
UNIT DIMENSIONS	
Capacity	45 Tons
Weight	450 lbs.
Base Width	7 in.
Low Height	7 in
Max Height	22 in.
NOSE LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (100/neo) <b>A320</b> (200/neo) <b>A321</b> (100/200/neo) <b>A330</b> (200/200F/300) <b>A340</b> (200/300) <b>A350</b> (900/1000)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER/400ER) <b>B777</b> (200/200ER/200LR/200F/300/300ER/8/9) <b>B787</b> (8/9/10)	
Other	
<b>DC-10</b> (10/15/30/40) <b>ERJ</b> (170/175/190/195) <b>L-1011</b> (01/100/200/500) <b>MC-21, MD-11</b>	
MAIN LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (100) <b>A320</b> (200/200 4W/neo) <b>A321</b> (100/200)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B717, B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B757</b> (200/300)	
Other	
<b>DC-10</b> (10/15) <b>ERJ</b> (170/175/190/195) <b>Fokker</b> (50/100) <b>MC-21, MD-80/90</b>	

50A0810	
UNIT DIMENSIONS	
Capacity	50 Tons
Weight	450 lbs.
Base Width	7 in.
Low Height	8.5 in
Max Height	22.24 in.
NOSE LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (100/neo) <b>A320</b> (200/neo) <b>A321</b> (100/200/neo) <b>A330</b> (200/200F/300) <b>A340</b> (200/300) <b>A350</b> (900/1000)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B747</b> (100/200/300/400/400ER/8F/8I/SP) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER/400ER) <b>B777</b> (200/200ER/200LR/200F/300/300ER/8/9) <b>B787</b> (8/9/10)	
Other	
<b>DC-10</b> (10/15/30/40) <b>ERJ</b> (170/175/190/195) <b>L-1011</b> (01/100/200/500) <b>MC-21, MD-11</b>	
MAIN LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (100) <b>A320</b> (200/200 4W/neo) <b>A321</b> (100/200)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B717, B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B757</b> (200/300)	
Other	
<b>DC-10</b> (10/15) <b>ERJ</b> (170/175/190/195) <b>Fokker</b> (50/100) <b>MC-21, MD-80/90</b>	

65A0911	
UNIT DIMENSIONS	
Capacity	65 Tons
Weight	500 lbs.
Base Width	8.75 in.
Low Height	9.25 in
Max Height	25 in.
NOSE LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A319</b> (100/neo) <b>A320</b> (200/neo) <b>A321</b> (100/200/neo) <b>A330</b> (200/200F/300/800/900) <b>A340</b> (200/300/500/600) <b>A350</b> (900/1000)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B727</b> (100/200) <b>B737</b> (100/200/300/400/400ER/8F/8I/SP) <b>B747</b> (100/200/300/400/400ER/8F/8I/SP) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER/400ER) <b>B777</b> (200/200ER/200LR/200F/300/300ER/8/9) <b>B787</b> (8/9/10)	
Other	
<b>DC10</b> (10/15/30/40) <b>L-1011</b> (01/100/200) <b>MD11</b>	
MAIN LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (100/neo) <b>A320</b> (200/200 4WB/neo) <b>A321</b> (100/neo) <b>A321</b> (200) <b>A330</b> (200/200F/300/800/900)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C) <b>B707</b> (720/B) <b>B717, B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER) <b>B767</b> (400ER) <b>B787</b> (8/9/10)	
Other	
<b>DC</b> (10/15/30/40) <b>ERJ</b> (190/195) <b>L-1011</b> (01/100/200/500) <b>MC-21, MD-11</b>	
CENTER LANDING GEAR	
Airbus	
<b>A340</b> (200/300)	

95A0911	
UNIT DIMENSIONS	
Capacity	95 Tons
Weight	580 lbs.
Base Width	10 in.
Low Height	9.25 in
Max Height	24.88 in.
NOSE LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A330</b> (200/200F/300/800/900) <b>A340</b> (200/300/500/600) <b>A350</b> (900/1000)	
Boeing	
<b>B727</b> (100/200) <b>B747</b> (100/200/300/400/400ER/8F/8I/SP) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER/400ER) <b>B777</b> (200/200ER/200LR/200F/300/300ER/8/9) <b>B787</b> (8/9/10)	
Other	
<b>DC10, L1011, MD11</b>	
MAIN LANDING GEAR	
Airbus	
<b>A220</b> (100/300) <b>A300</b> (600/B2/B4) <b>A310</b> (200/300) <b>A319</b> (neo) <b>A319</b> (100) <b>A320</b> (200/200 4WB/neo) <b>A321</b> (100/neo) <b>A321</b> (200) <b>A330</b> (200/200F/300/700L/800/900, <b>A350</b> (900)	
Boeing	
<b>B707</b> (120B/220/320/420/131B/320B/C/720/B) <b>B727</b> (100/200) <b>B737</b> (10/100/200/200C/300/400/500/600/7/700/8/8200/800/9/900/900ER) <b>B747</b> (100/200/200C/300/400/400ER/8F/8I/SP) <b>B757</b> (200/300) <b>B767</b> (200/300/300ER/400ER) <b>B777</b> (200/200ER/200LR/200F/300/300ER/8/9) <b>B787</b> (8/ 9/10)	
Other	
<b>DC8, DC</b> (10/15/30/40) <b>L-1011</b> (01/100/200/500) <b>MC-21, MD-11</b>	
CENTER LANDING GEAR	
Airbus	
<b>A340</b> (200/300)	

# FLYAWAY MODELS

45A0712
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50A0810
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65A0911
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95A0911
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- ◆ Uses the same cluster as the alligator-style axles
- ◆ Lighter weight, and compact design
- ◆ Integrated air-pump



# SERVICES

## WHY MPI?



20+ years of experience in supplying Military GSE, and programs. After a successful 2021 commercial launch and a growing customer base, we will continue to expand on our product offering.



Simplified access to sales and technical support directly with the manufacturer compared to competitors who offer distributor-based support.



Simplified process for warranty claims, replacement parts, repair kits, etc. All components are kept on the shelf at our facility.



Engineering solutions are offered. Most custom configurations and requests are welcome. We are happy to visit on-site to nail down your requirements before releasing prototypes.

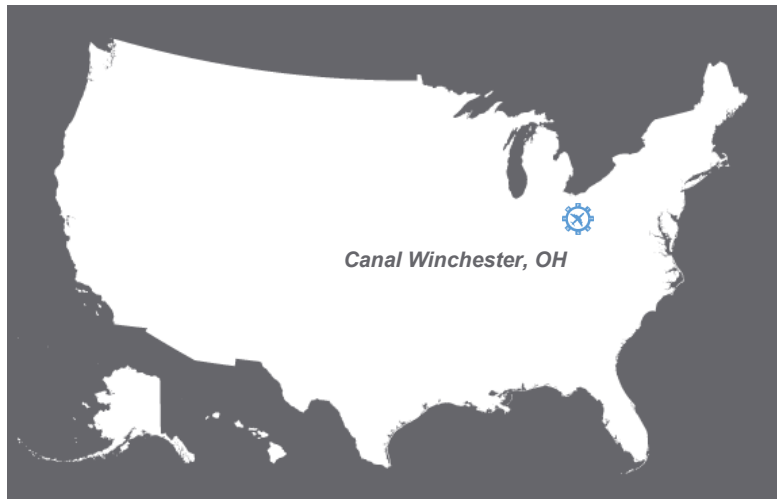


Repair services are offered at our facility. Repairing our own product significantly cuts down on valuable time for units out of service.

With over 20 years of experience supplying military ground support equipment (GSE), we successfully expanded into the commercial market in 2021 and continue to grow. We provide simplified customer support—customers can work directly with us for orders, spare parts, and engineering solutions, including on-site visits and customer input on design. Our in-house repair services ensure the correct parts are used, with full recertification for reliable, efficient operations.



# SERVICES



## YOUR ONE STOP SHOP



EQUIP. SALES



SPARE PARTS



ENGINEERING



ON-SITE REPAIR

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