

Landing Gear Product Line



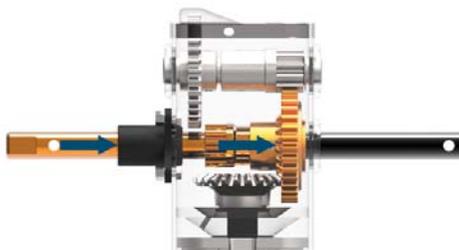
	Standard A400	Magnum 5 Year A440	Magnum 10 Year A450	Heavy Duty 10 Year H450	Ultralight UL500	Alumilight AX100
Static Load Capacity*	160,000 lbs	170,000 lbs	170,000 lbs	200,000 lbs	160,000 lbs	160,000 lbs
Lift Capacity	55,000 lbs	62,500 lbs	62,500 lbs	70,000 lbs	50,000 lbs	55,000 lbs
Side Load Capacity*	29,000 lbs	33,000 lbs	33,000 lbs	33,000 lbs	26,000 lbs	29,000 lbs

*When properly braced on a trailer

Meets all TTMA & AAR Specifications

Features

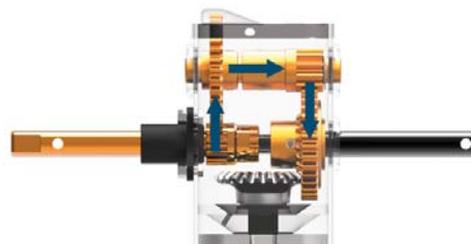
- No External Gearbox
- All Austempered Ductile Iron Gears
- Spline Shifting
- Double "D" Crank



High Gear 3.5 Turns/Inch

Benefits

- Gears Protected and No Shaft Misalignment
- Gears Will Not Wear Out
- Easy Shifting
- Transfers Crank Torque Directly Into Shaft



Low Gear 32 Turns/Inch



A400 Series Landing Gear



Design Features

- Internal gearbox protects gears and prevents shaft misalignment.
- Cover and bushings sealed to keep moisture out.
- Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.
- 10 bolt mounting pattern adds mounting rigidity.
- Reinforcing strap at the bottom of the upper housing for added strength.
- Austempered ductile iron gears will not wear out.

Capacities & Ratings

Maximum Static Load Rating*
160,000 lbs

Rated Lift Capacity**:
55,000

Side Load Capacity*:
29,000 per set

*When properly braced on a trailer.

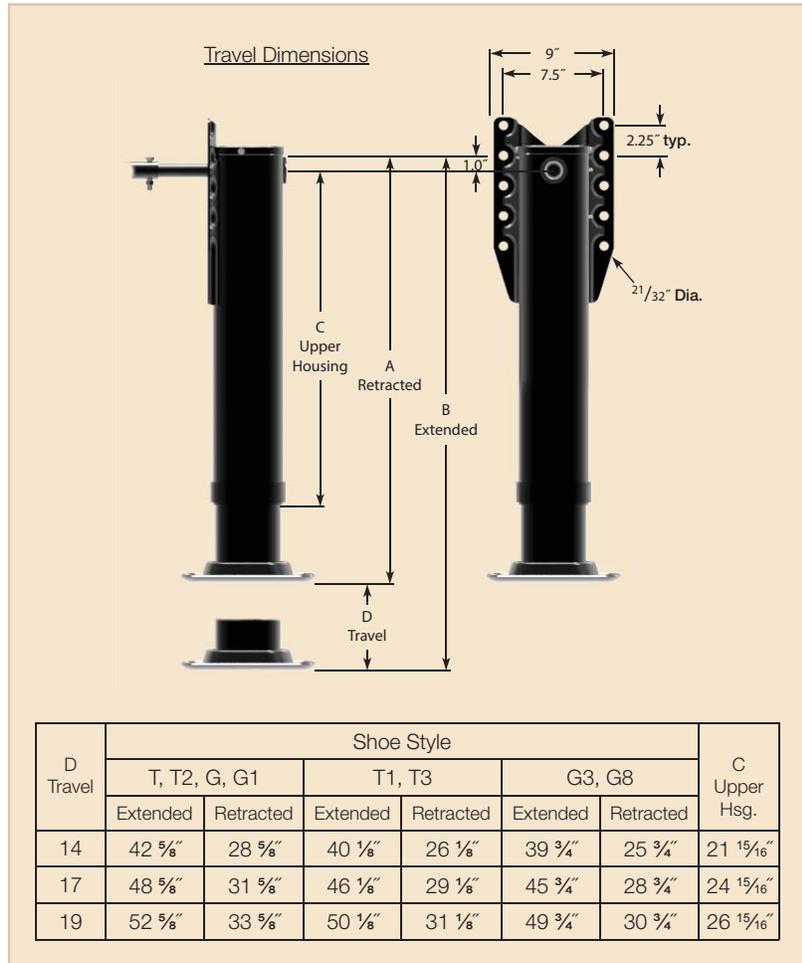
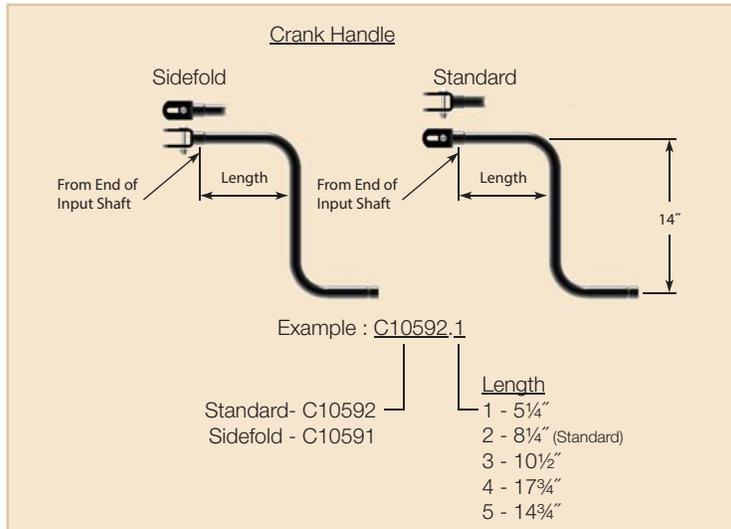
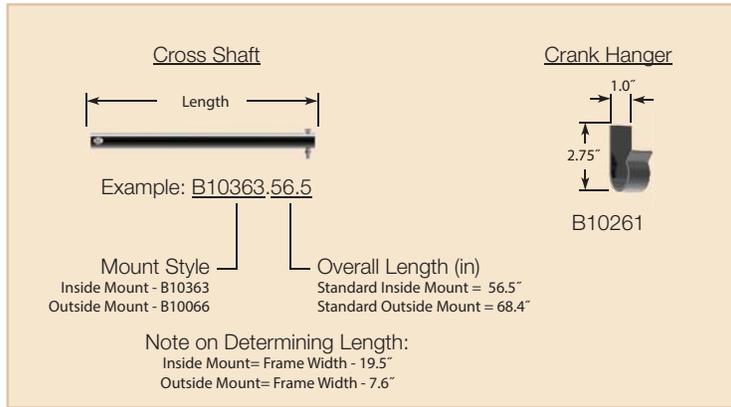
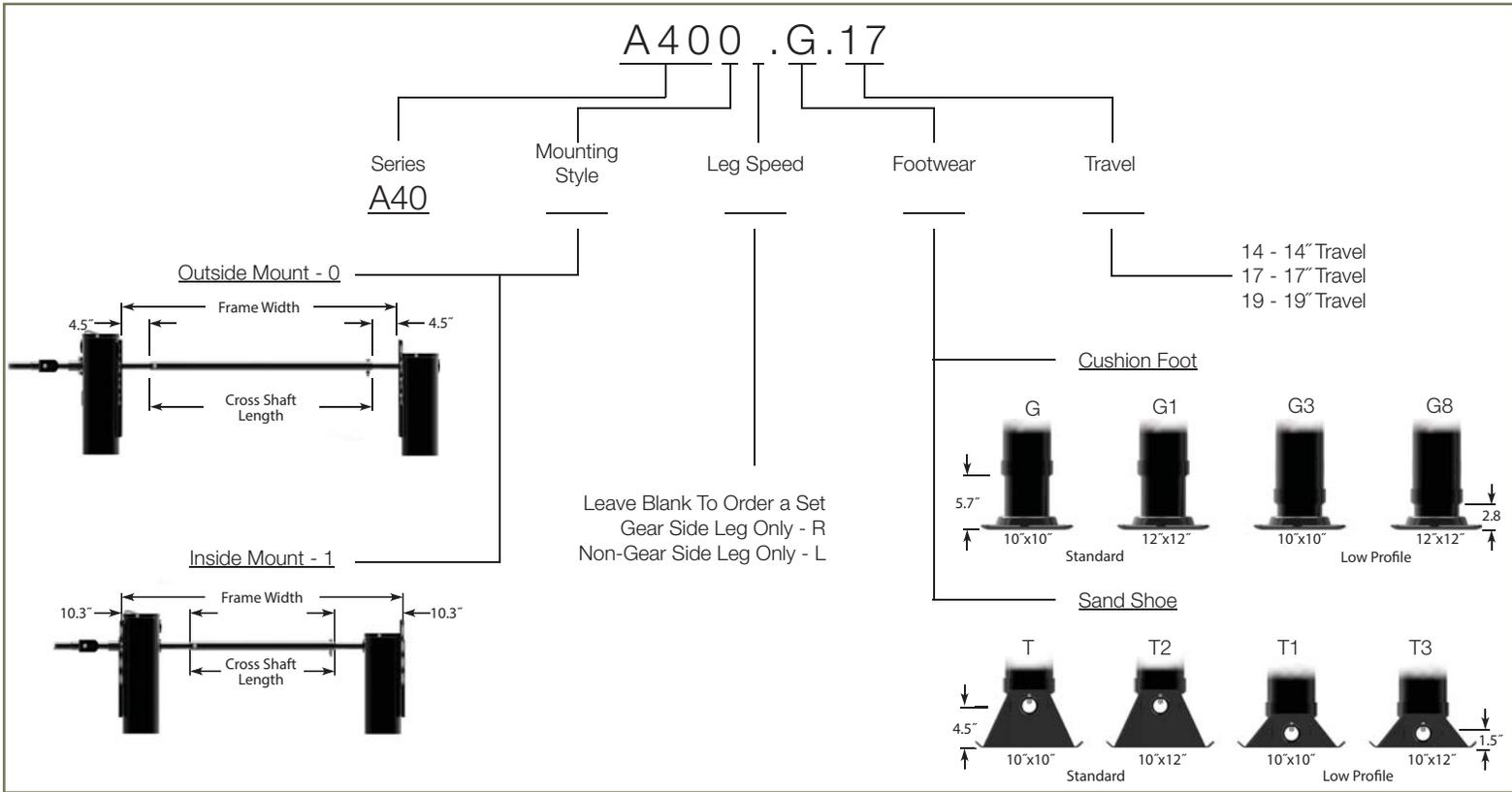
**With 100ft-lbs input torque.

Gear Ratio

Low Gear: 32 Turns = 1" Travel

High Gear: 3.5 Turns = 1" Travel

Product Information





A440 Magnum Series Landing Gear



Design Features

- Elevating screw is fully encased in a grease tube.
- Legs are completely sealed and all shafts have seals to keep moisture out.
- Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.
- Gearbox is completely filled with low temperature grease.
- Austempered ductile iron gears will not wear out.
- 10 bolt mounting pattern adds mounting rigidity.
- Reinforcing strap at the bottom of the upper housing for added strength.

Capacities & Ratings

Maximum Static Load Rating*
170,000 lbs

Rated Lift Capacity**:
62,500 lbs

Side Load Capacity*:
33,000 lbs per set

*When properly braced on a trailer.

**With 100ft-lbs input torque.

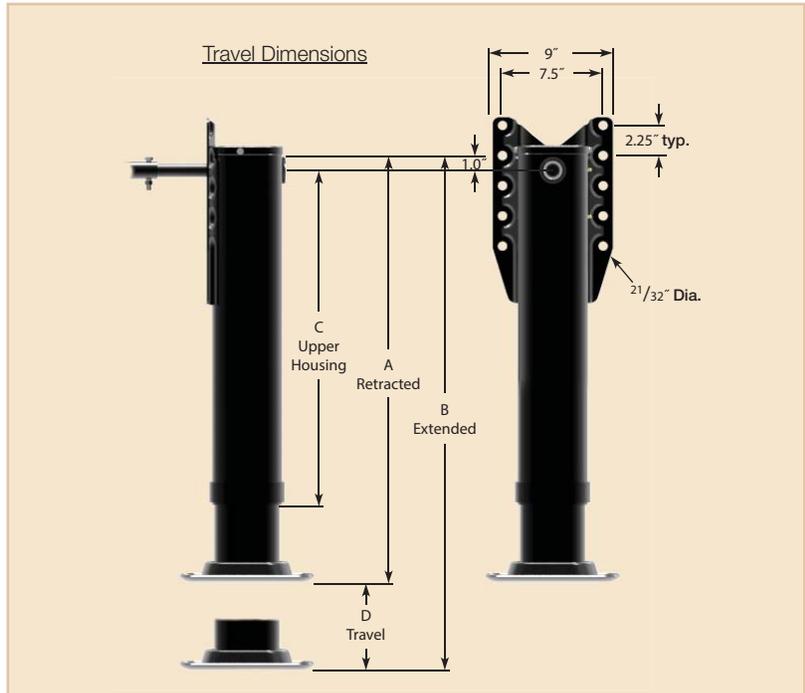
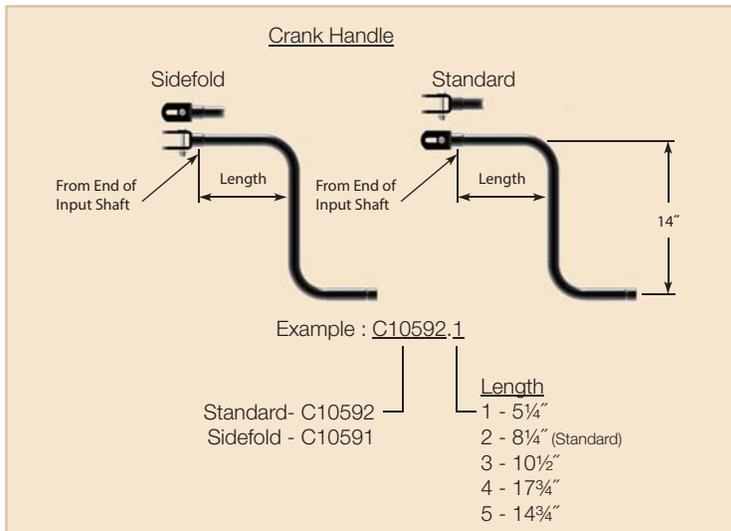
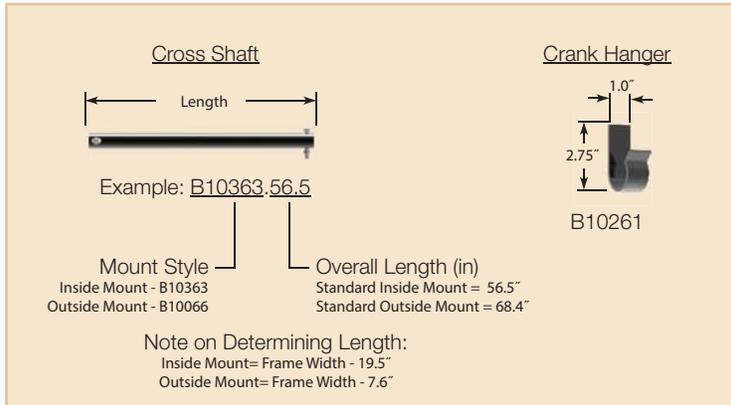
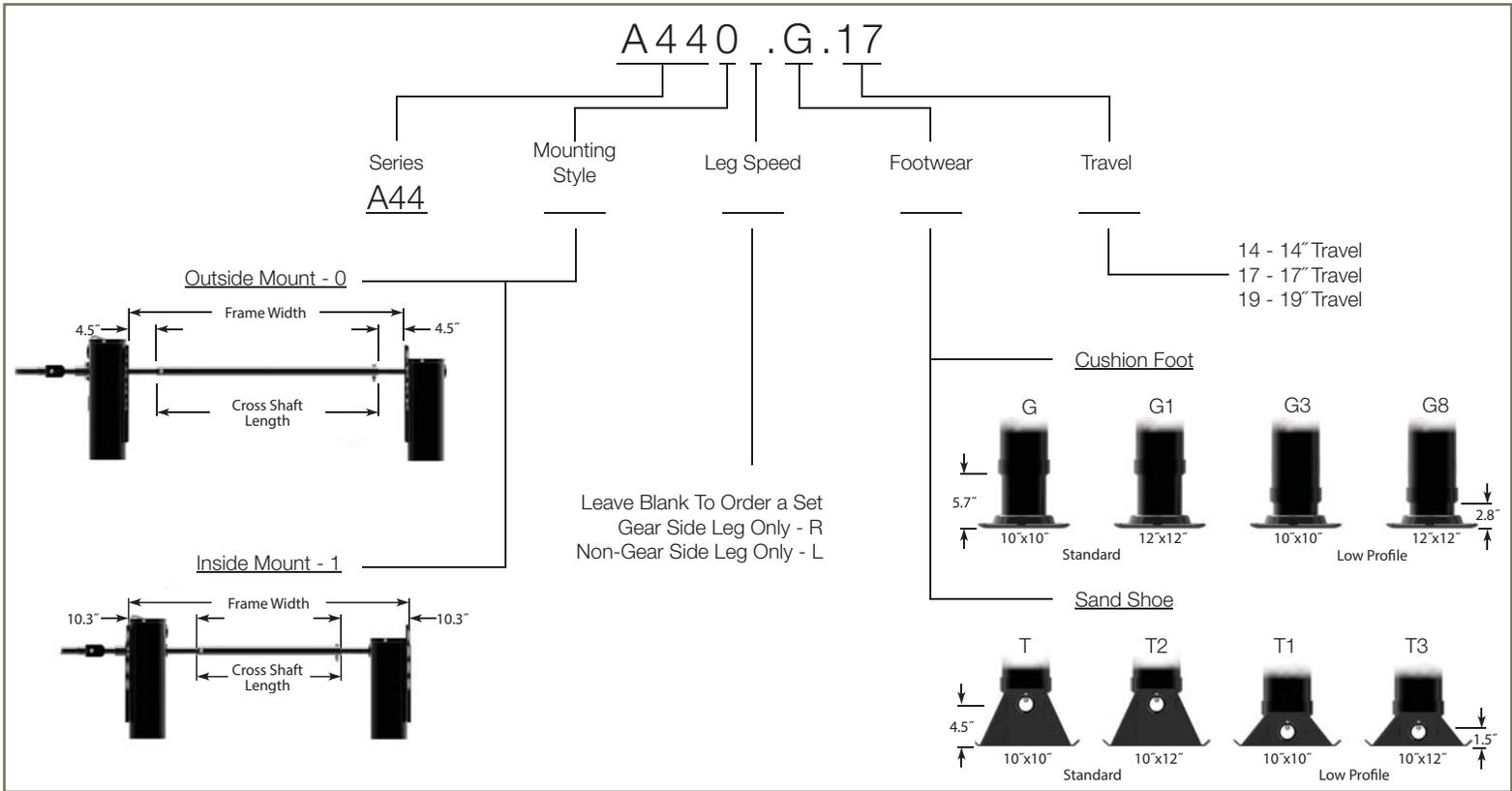
Gear Ratio

Low Gear: 32 Turns = 1" Travel

High Gear: 3.5 Turns = 1" Travel

5 Years Maintenance Free

Product Information



D Travel	Shoe Style						C Upper Hsg.
	T, T2, G, G1		T1, T3		G3, G8		
	Extended	Retracted	Extended	Retracted	Extended	Retracted	
14	42 5/8"	28 5/8"	40 1/8"	26 1/8"	39 3/4"	25 3/4"	21 15/16"
17	48 5/8"	31 5/8"	46 1/8"	29 1/8"	45 3/4"	28 3/4"	24 15/16"
19	52 5/8"	33 5/8"	50 1/8"	31 1/8"	49 3/4"	30 3/4"	26 15/16"



A450 Magnum Series Landing Gear



Design Features

- Increased lift nut hardness to increase strength and reduce wear.
- Elevating screw is fully encased in a rechargeable powder coated grease tube.
- Legs are completely sealed and all shafts have seals to keep moisture out.
- Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.
- Gearbox is completely filled with low temperature grease.
- Hole added to lower leg to access grease fitting in rechargeable grease tube. Replaceable cushion foot for easy repair when worn or damaged.
- Austempered ductile iron gears will not wear out.

Capacities & Ratings

Maximum Static Load Rating*
170,000 lbs

Rated Lift Capacity**:
62,500

Side Load Capacity*:
33,000 per set

*When properly braced on a trailer.

**With 100ft-lbs input torque.

Gear Ratio

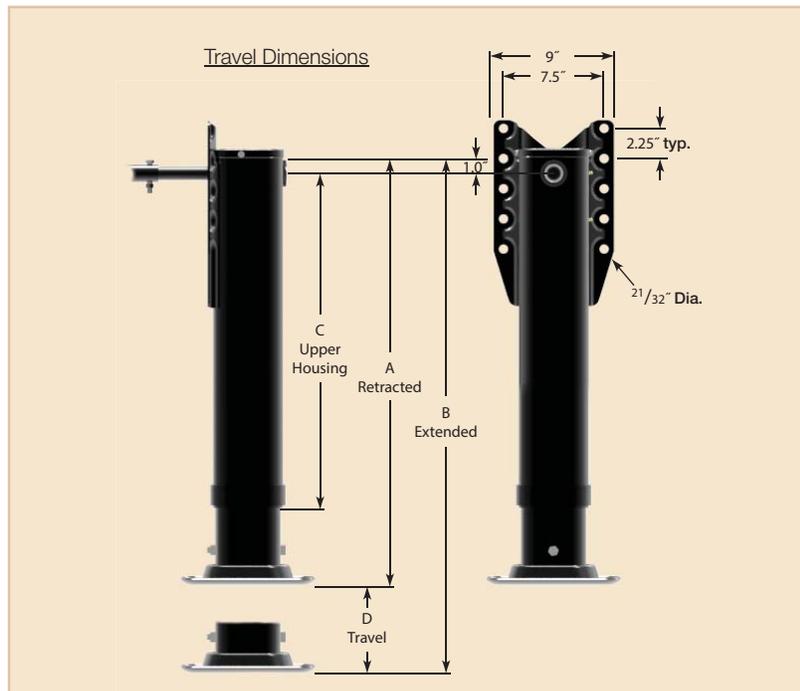
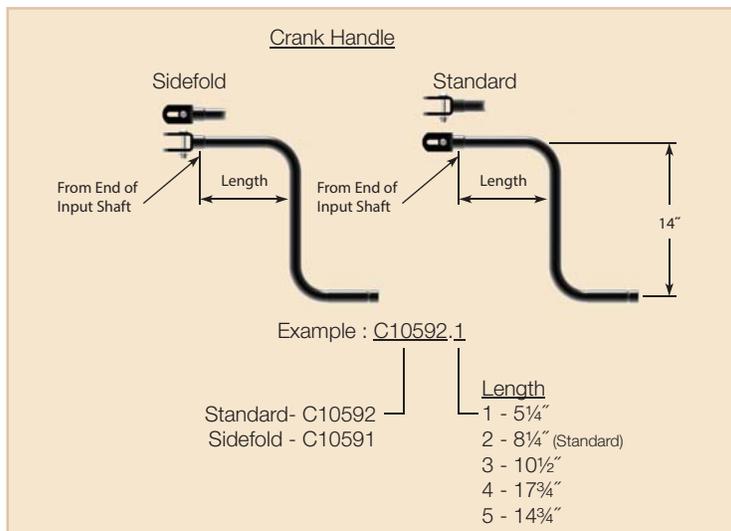
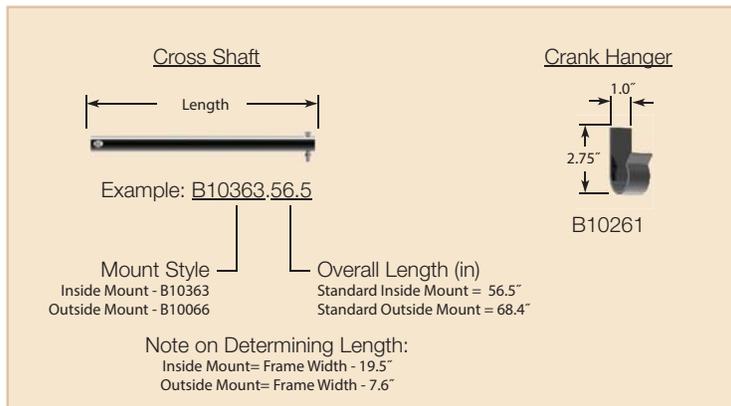
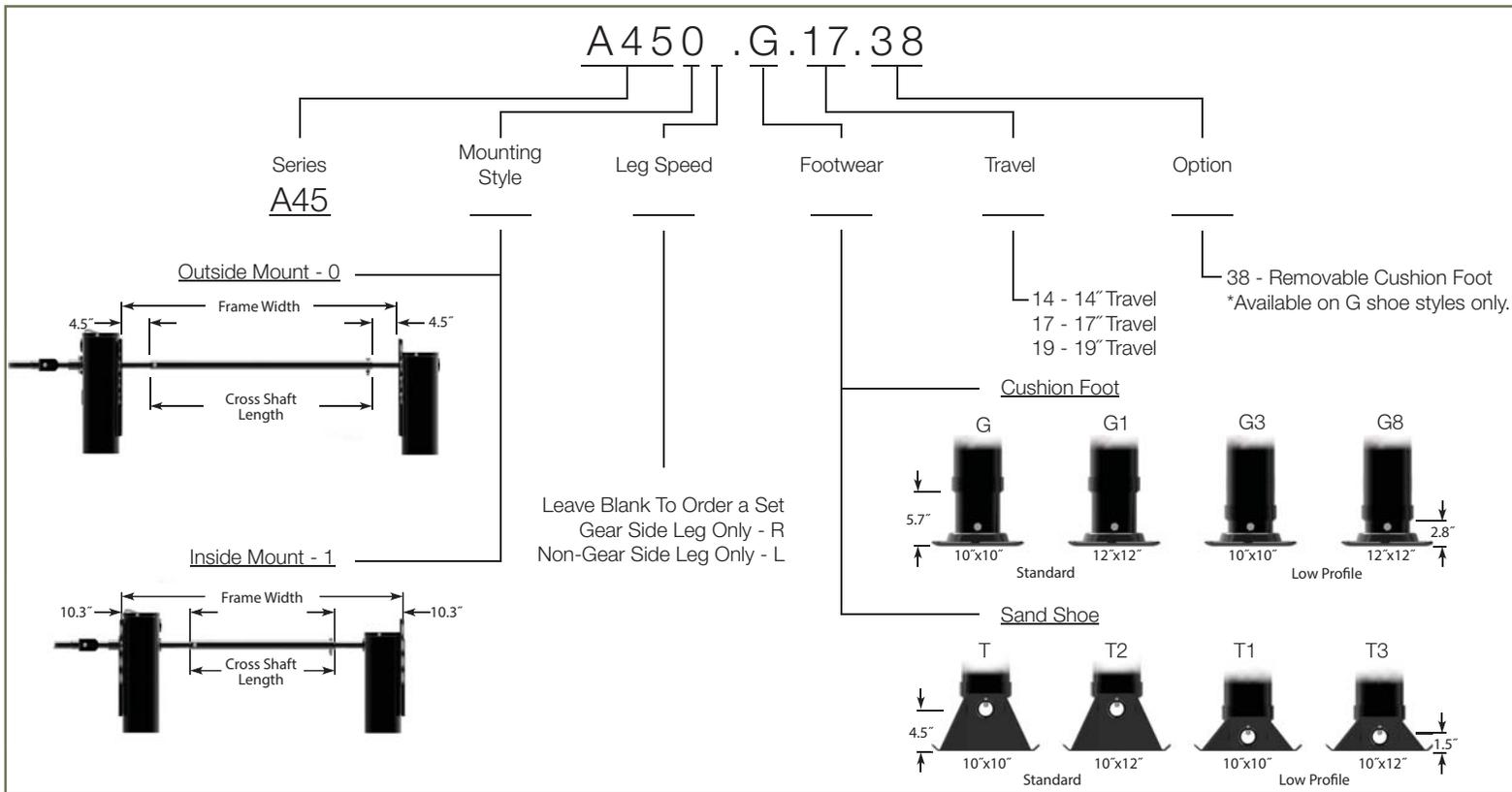
Low Gear: 32 Turns = 1" Travel

High Gear: 3.5 Turns = 1" Travel

10 Year Extended Warranty

5 Years Maintenance Free

Product Information



D Travel	Shoe Style						C Upper Hsg.
	T, T2, G, G1		T1, T3		G3, G8		
	Extended	Retracted	Extended	Retracted	Extended	Retracted	
14	42 5/8"	28 5/8"	40 1/8"	26 1/8"	39 3/4"	25 3/4"	21 15/16"
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19	52 5/8"	33 5/8"	50 1/8"	31 1/8"	49 3/4"	30 3/4"	26 15/16"



H450 Ten Year Magnum Landing Gear



Design Features

- 10 Year Warranty
- Elevating screw is fully encased in a rechargeable powder coated grease tube.
- Legs are completely sealed and all shafts have seals to keep moisture out.
- Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.
- Gearbox is completely filled with low temperature grease.
- Austempered ductile iron gears will not wear out.
- Reinforcing strap at the bottom of the upper housing for added strength.
- Welded Thrust Collar
- Heavy Duty Thrust Bearing
- Available in all shoe styles.

Capacities & Ratings

Maximum Static Load Rating*
200,000 lbs

Rated Lift Capacity:
70,000 lbs

Side Load Capacity*:
33,000 lbs per set

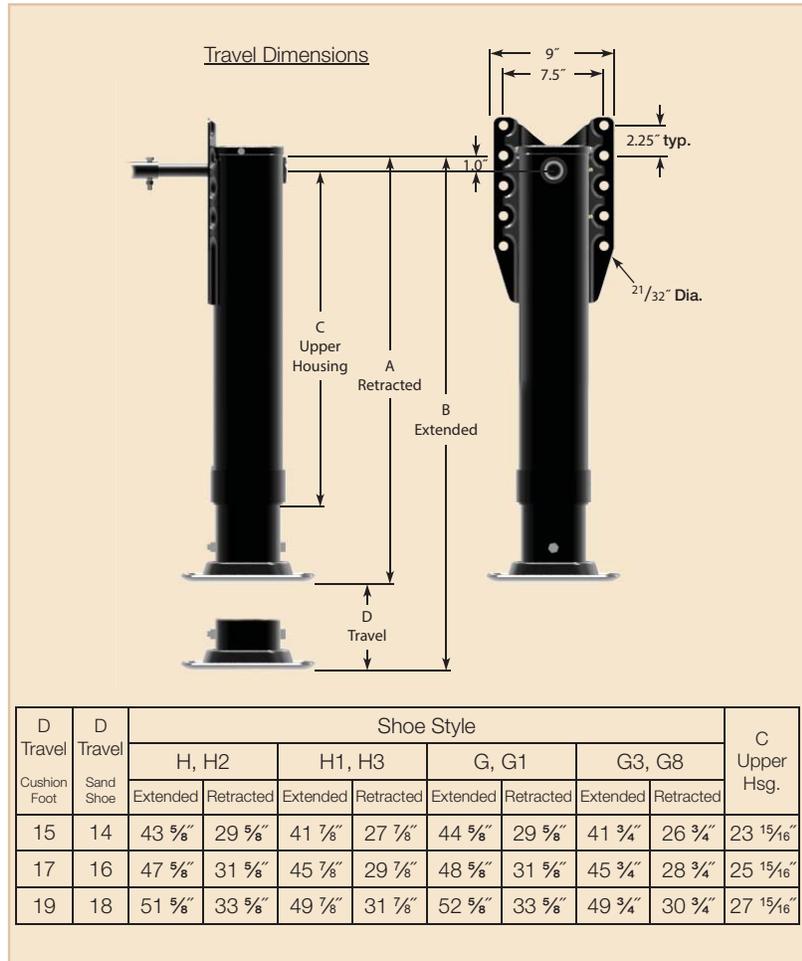
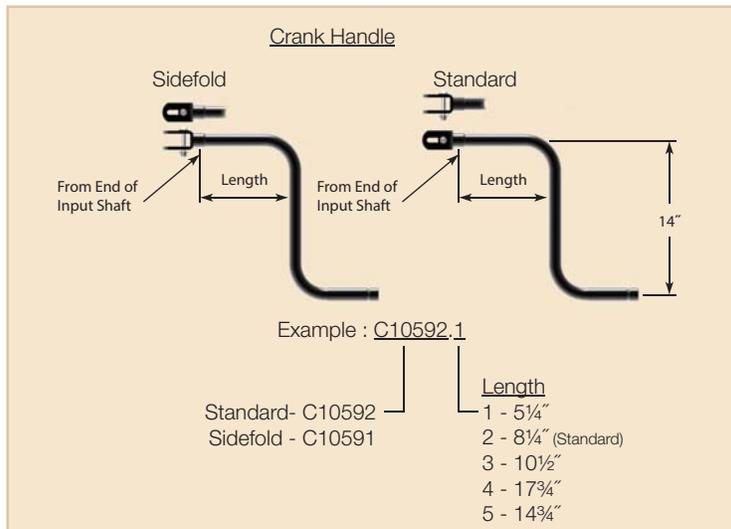
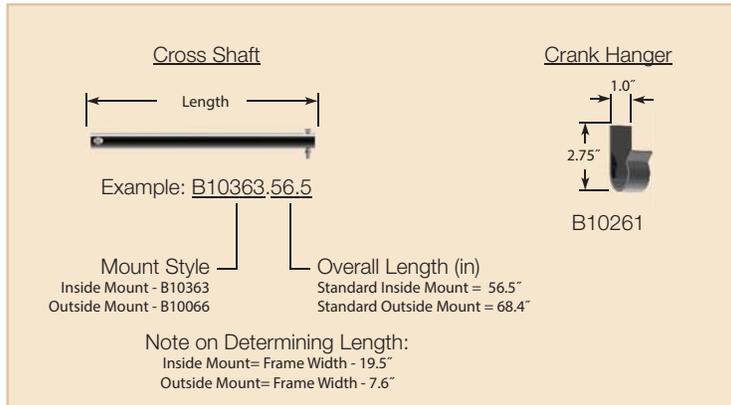
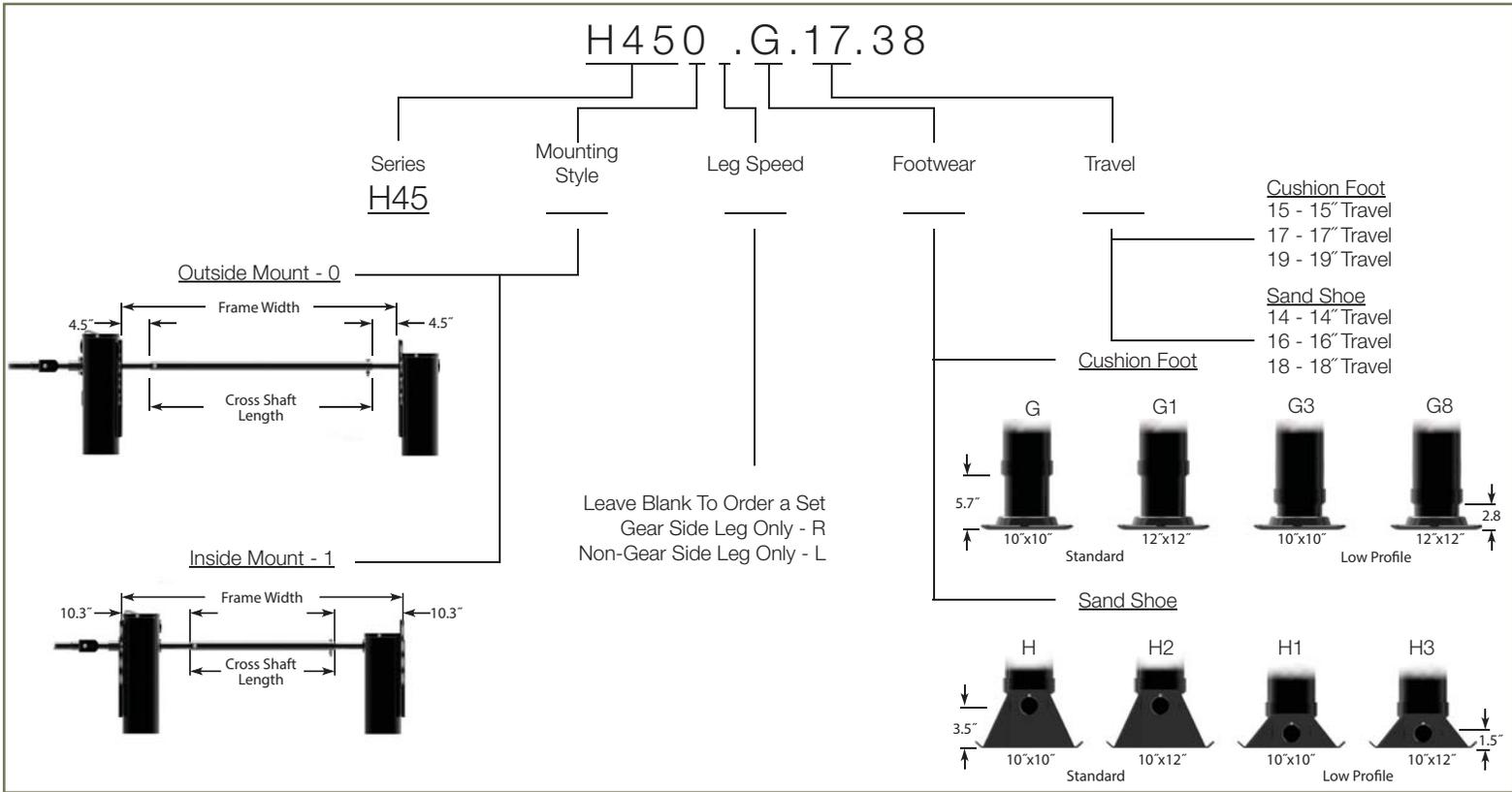
*When properly braced on a trailer.

Gear Ratio

Low Gear: 32 Turns = 1" Travel
High Gear: 3.5 Turns = 1" Travel

10 Year Extended Warranty
5 Years Maintenance Free

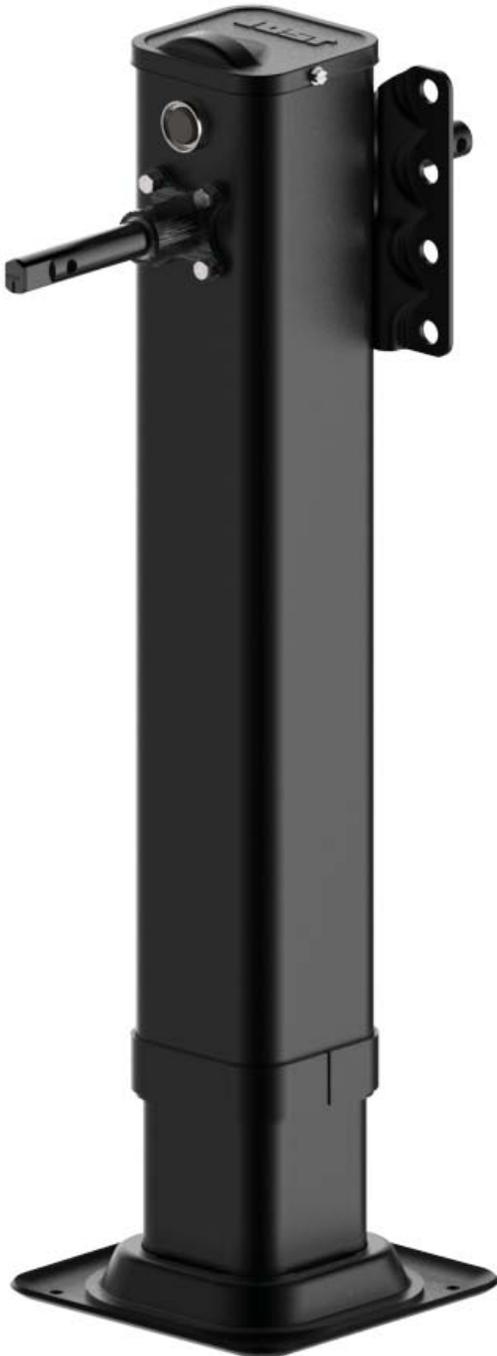
Product Information





UL500 ULTRALIGHT Series Landing Gear

*Weight Savings of at Least 27 lbs Per Set!
Same Trusted Design, New Lightweight Material*



Design Features

- The same trusted gearbox.
- Legs are completely sealed to keep moisture out.
- HSLA flange material provides low weight and increased strength.
- Double "D" style shaft allows crank force to go directly into the gearbox, not torquing the bolt.
- Available as UL540 Magnum and UL550 10 yr Magnum.
- HSLA material on both the upper and lower tube provides low weight and increased strength.

Capacities & Ratings

Maximum Static Load Rating*
160,000 lbs

Rated Lift Capacity**:
50,000

Side Load Capacity*:
26,000 per set

*When properly braced on a trailer.

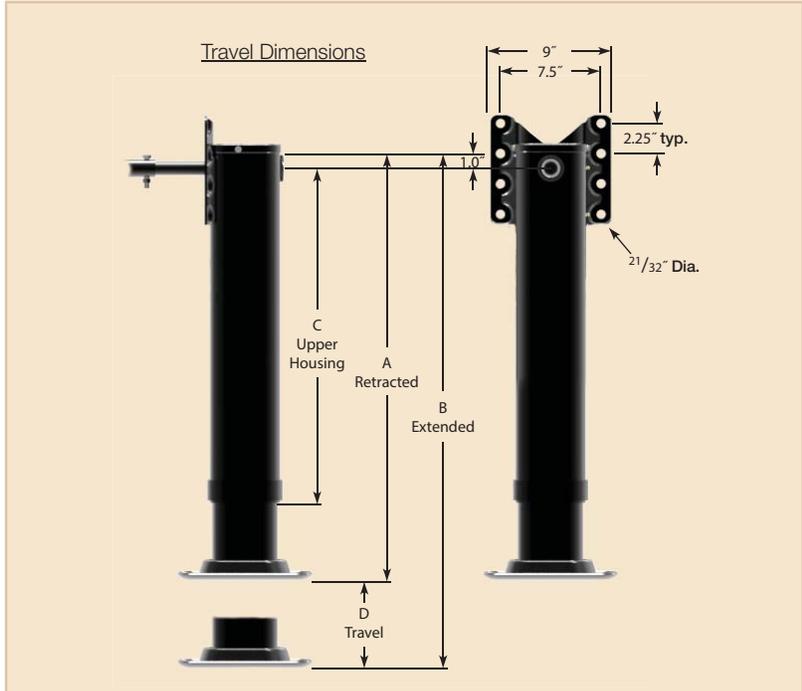
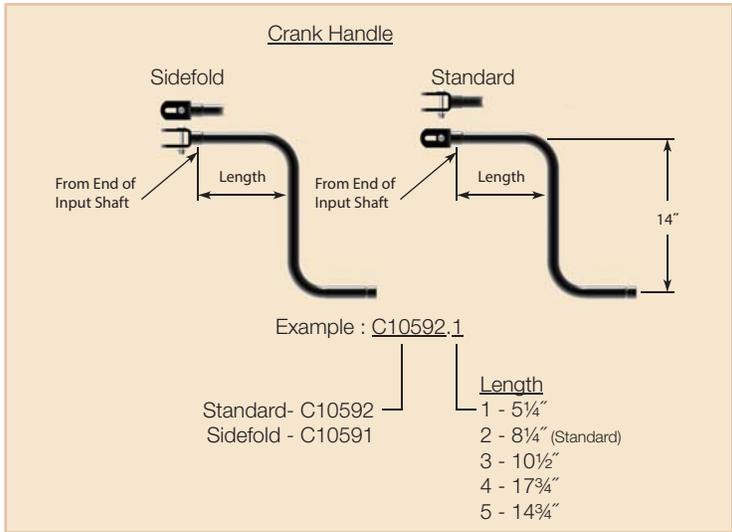
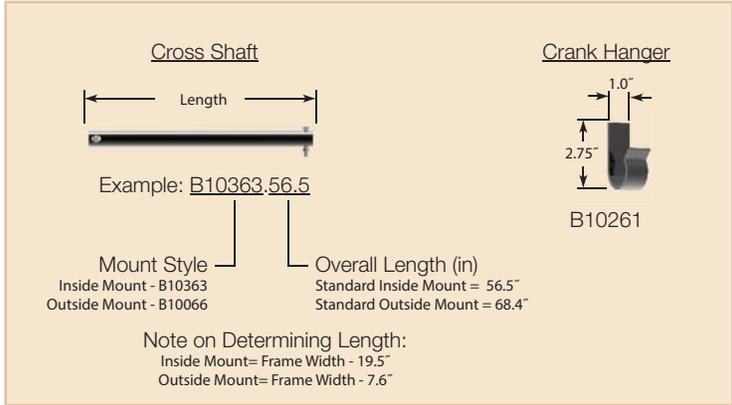
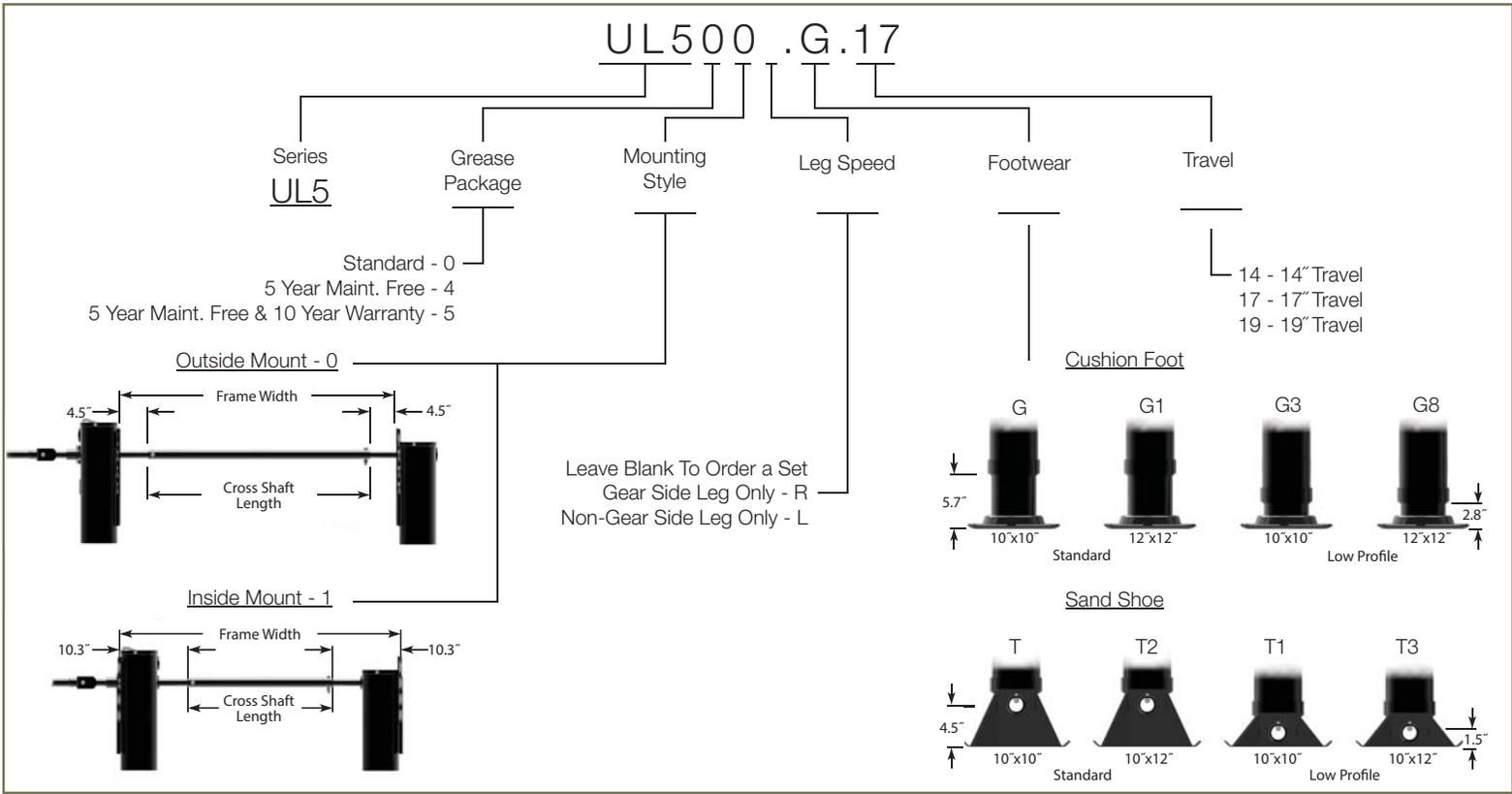
**With 100ft-lbs input torque.

Gear Ratio

Low Gear: 32 Turns = 1" Travel

High Gear: 3.5 Turns = 1" Travel

Product Information



D Travel	Shoe Style						C Upper Hsg.
	T, T2, G, G1		T1, T3		G3, G8		
	Extended	Retracted	Extended	Retracted	Extended	Retracted	
14	42 5/8"	28 5/8"	40 1/8"	26 1/8"	39 3/4"	25 3/4"	21 15/16"
17	48 5/8"	31 5/8"	46 1/8"	29 1/8"	45 3/4"	28 3/4"	24 15/16"
19	52 5/8"	33 5/8"	50 1/8"	31 1/8"	49 3/4"	30 3/4"	26 15/16"

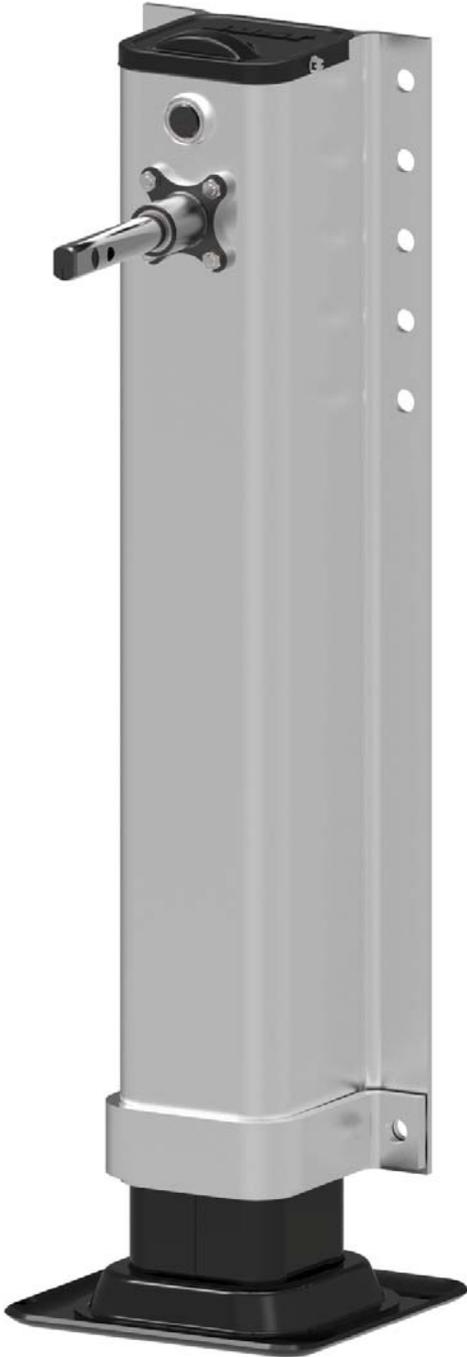


AX100 ALUMILIGHT Series Landing Gear

*Aluminum Hybrid Landing Gear Series
Weight Savings of at Least 50 lbs Per Set!*

Design Features

- Steel cover sealed with silicone to keep moisture out.
- Available in outside and inside mount.
- 6061-T6 extruded aluminum upper leg for durability.
- Standard JOST gear train allows easy interchangeability.
- A $\frac{3}{8}$ " x 2" reinforcing strap for superior side load strength.
- Polyester coated HSLA steel lower leg.
- All standard JOST ground members available.
- Available as AX140 Magnum and AX150 10 yr Magnum.



Capacities & Ratings

Maximum Static Load Rating*
160,000 lbs

Rated Lift Capacity**:
55,000

Side Load Capacity*:
29,000 per set

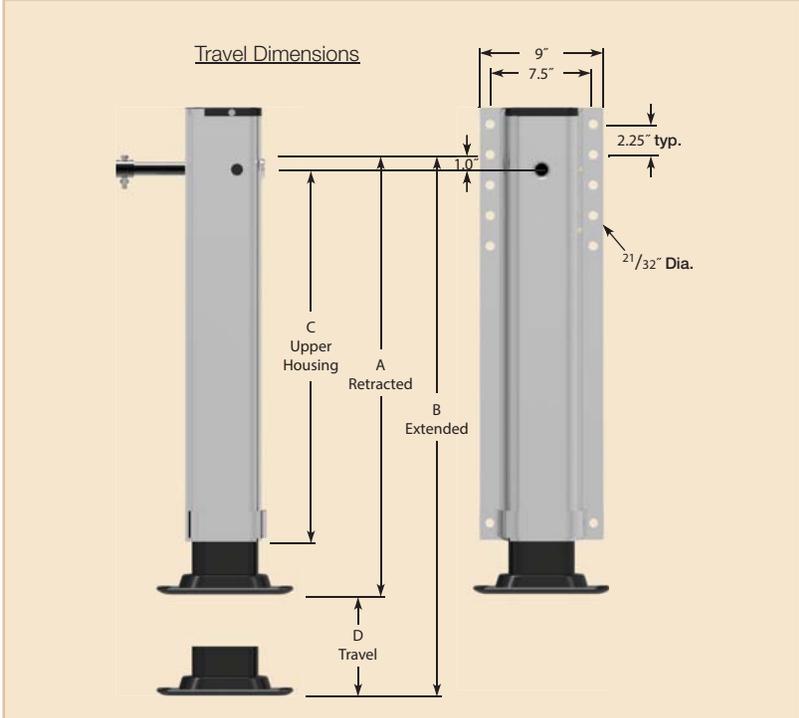
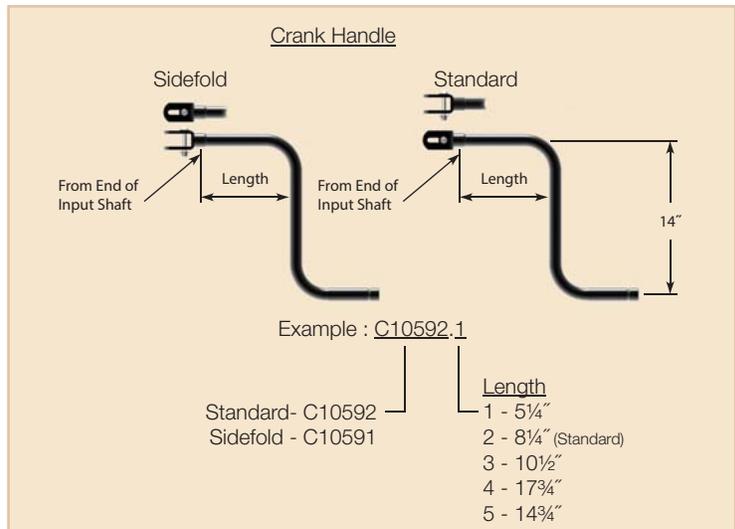
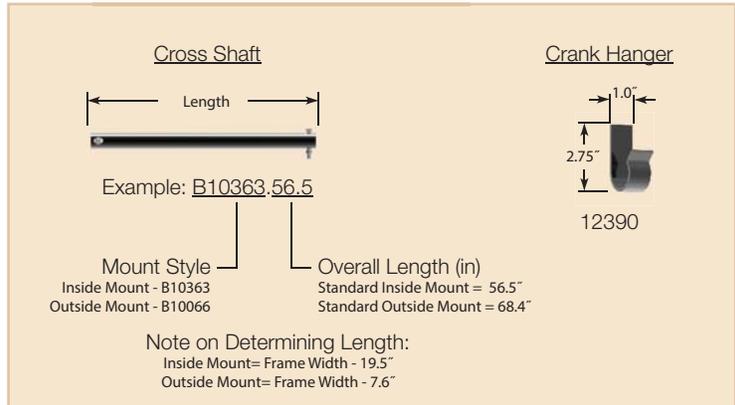
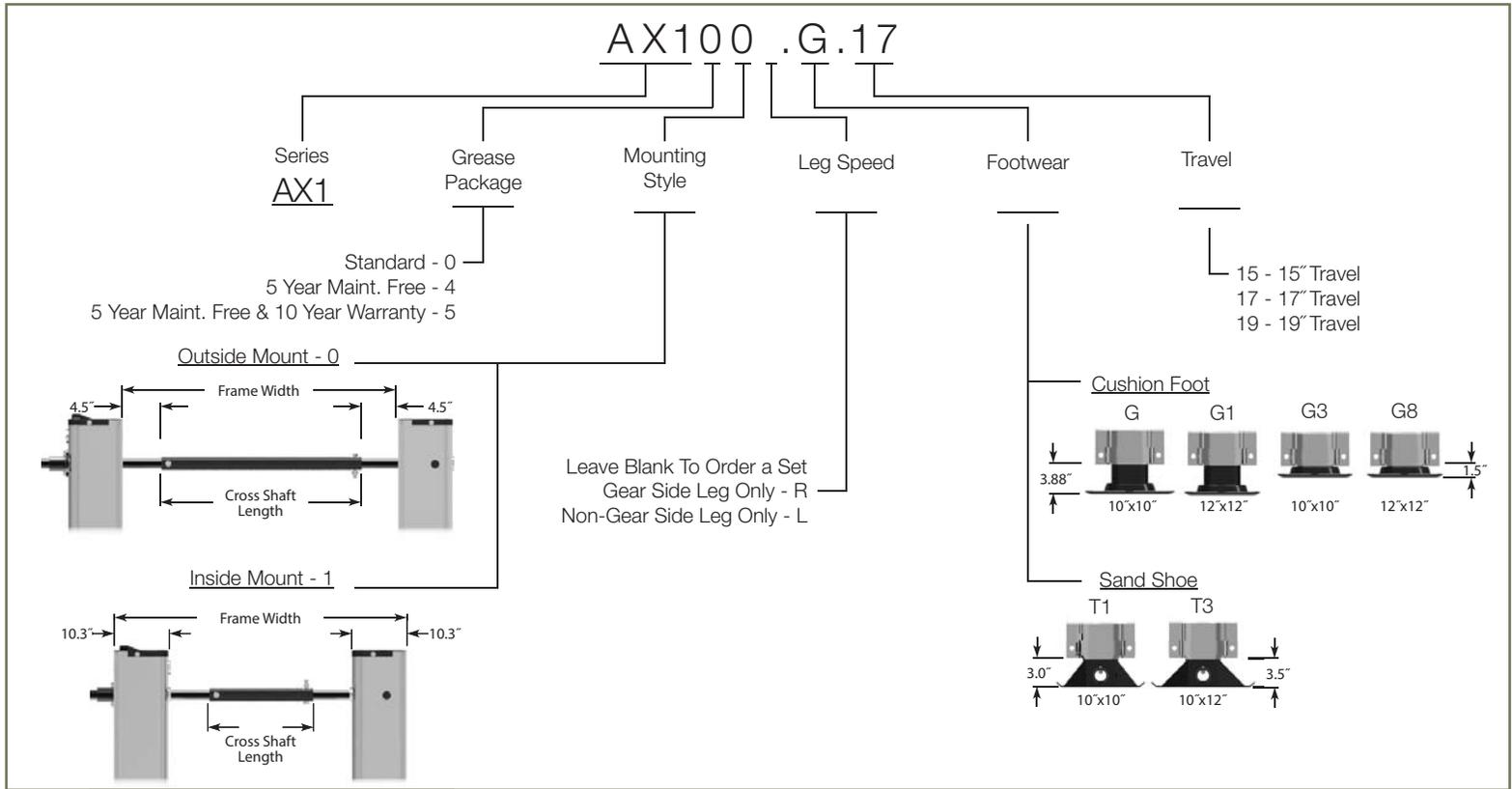
*When properly braced on a trailer.

**With 100ft-lbs input torque.

Gear Ratio

Low Gear: 32 Turns = 1" Travel
High Gear: 3.5 Turns = 1" Travel

Product Information



D Travel	Shoe Style								C Upper Hsg.
	T1		T3		G, G1		G3, G8		
	Extended	Retracted	Extended	Retracted	Extended	Retracted	Extended	Retracted	
15	44 7/16"	29 7/16"	44 7/8"	29 7/8"	45 5/16"	30 5/16"	42 1/2"	27 7/8"	25 7/16"
17	48 7/16"	31 7/16"	48 7/8"	31 7/8"	49 5/16"	32 5/16"	46 1/2"	29 7/8"	27 7/16"
19	52 7/16"	33 7/16"	52 7/8"	33 7/8"	53 5/16"	34 5/16"	50 1/2"	31 7/8"	29 7/16"



AD500 Series Landing Gear

AD500.E.25 Drop Leg

Design Features

- 25" Travel
- 60,000 psi, minimum yield high strength low alloy steel.
- Holes placed every 2" for precise height adjustment.
- 8 bolt formed mounting flange reinforced to add mounting rigidity.
- Double reinforcing strap at the bottom of the upper housing for added strength.
- Each leg weighs only 62 lbs.

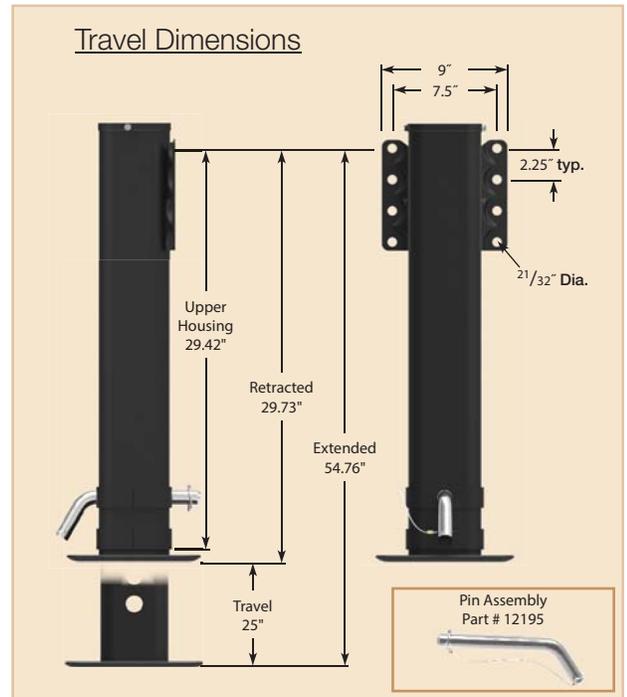
Capacities & Ratings

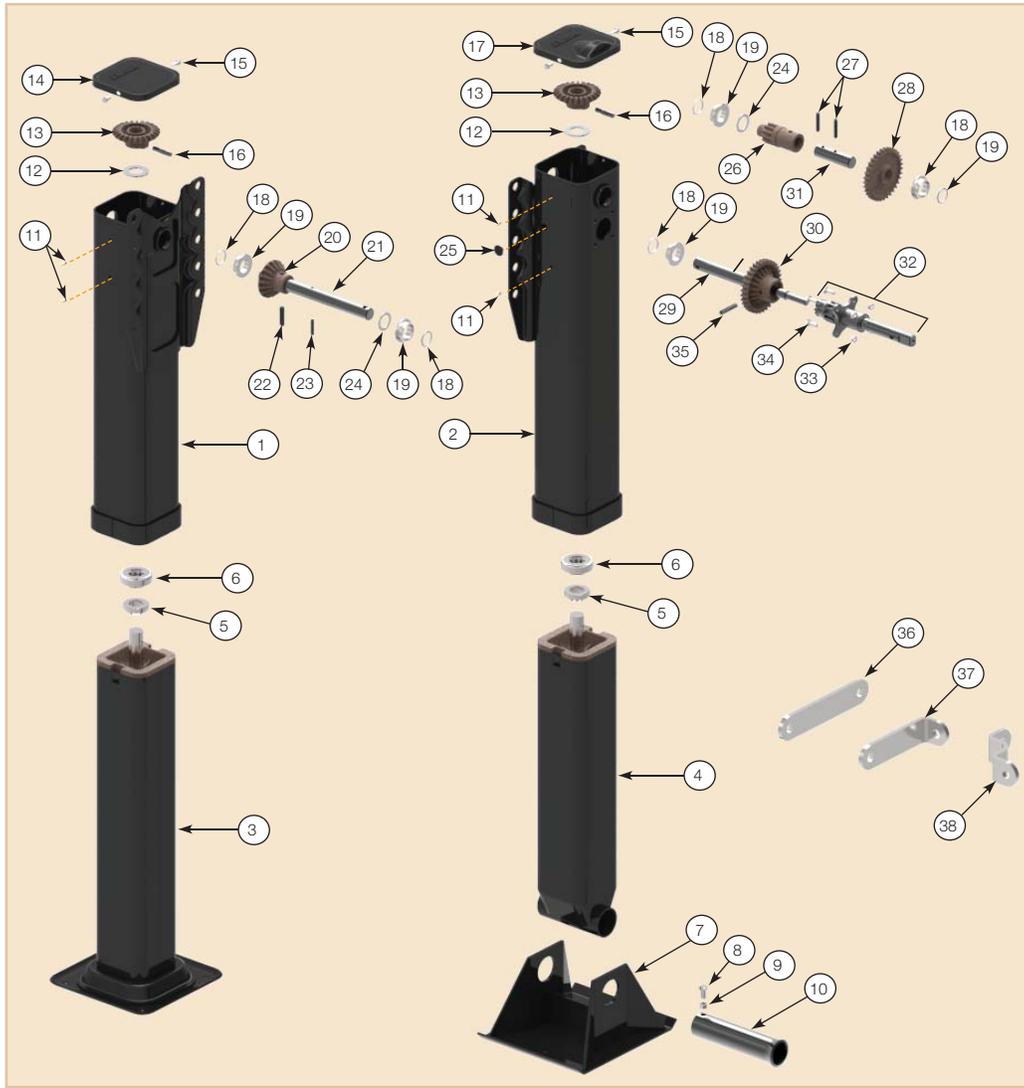
Load Capacity*:
20,000 lbs per leg

*When properly braced on a trailer.



Legs need to be ordered individually.





Item	Part Number	Description
1	Please Call Sales	Single Speed Upper Weldment
2	Please Call Sales	Two Speed Upper Weldment
3	Please Call Sales	Lower Leg Assembly, Sand Cushion Foot
4	Please Call Sales	Lower Leg Assembly, Sand Shoe
5	A10101	Collar
6	Please Call Sales	Thrust Bearing
7	Please Call Sales	Sand Shoe
8	A10037.3	Hex Head Cap Screw
9	A10038.7	Lock Nut
10	B10036	Axle
11	A10040	Grease Fitting
12	A10102	Thrust Washer
13	C10259	Bevel Gear
14	C10259	Single Speed Cover
15	A10059.1	Cover Screw
16	A10052.3	Grooved Pin
17	C10217	Two Speed Cover
18	A10283	Shaft Seal
19	A10255	Shaft Bushing

Item	Part Number	Description
20	C10177	Pinion Gear
21	B10130	Single Speed Input Shaft
22	A10054.3	Roll Pin
23	A10054.6	Roll Pin
24	A10218	Washer
25	A10500	Button Plug
26	C10078	Output Spur Gear
27	A10260.1	Spiral Pin
28	C10085	Spur Idler Gear
29	B10236	Two Speed Input Shaft
30	C10234	Output Cluster Gear
31	A10212	Two Speed Idler Shaft
32	B10285	Shifter Assembly
33	A10038.6	Lock Nut
34	A10230	Shifter Housing Bolt
35	A10054.7	Roll Pin
36	C10262	Brace Lug - Flat
37	C10263	Brace Lug - 90°
38	C10108	Brace Lug - "W" (Standard)