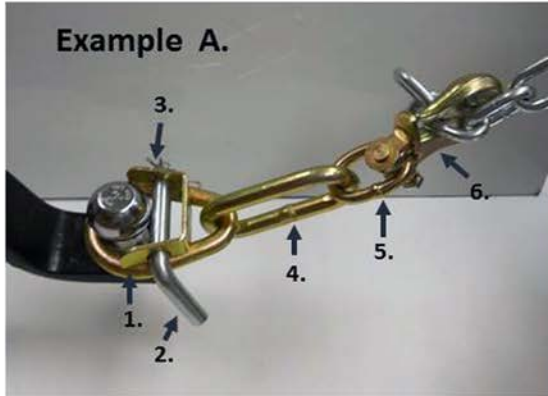




BallDog Plus

Multiple Use Hitch Attachment Device

Patent# 7967353 (Additional Patents Pending)



Basic Components of the BallDog Plus:

- 1) Pear Link
- 2) Hitch Pin (5/8")
- 3) Spring Pin
- 4) Large Oblong Link
- 5) Small Oblong Link
- 6) 3/8" Twist Lock™ Grab Hook

Connections of BallDog Plus to Tow Balls & Receiver Tubes:

Example A Pear Link (1) fits over all 3 sizes of Tow Balls (1-7/8", 2" & 2-5/16"). Secured by using the Hitch Pin (2) inserted in the holes of the Pin Holder of the Pear Link (1) with the Spring Pin (3) inserted in the hole of the Hitch Pin (2).

Examples B & C Large Oblong Link (4) fits into most Receiver Tubes (2" & 2-1/2"). Secured by using the Hitch Pin (2) inserted in the holes of the Receiver Tube and the Spring Pin (3) inserted in the hole of the Hitch Pin (2).

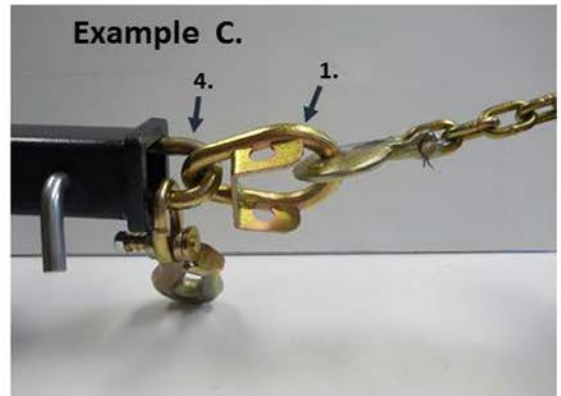
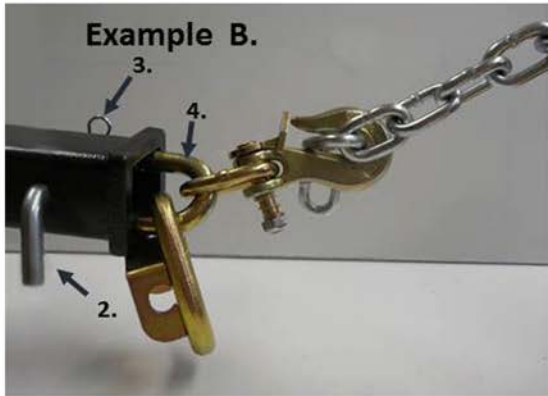
Multiple Use Application Examples:

Example A Pear Link on a Tow Ball with a chain link inserted in the Twist Lock™ Grab Hook and secured by the Twist Lock™ Safety Latch.

Example B Large Oblong Link inserted in a Receiver Tube with a chain link inserted in the Twist Lock™ Grab Hook and secured by the Twist Lock™ Safety Latch.

Example C Large Oblong Link inserted in a Receiver Tube with a Slip Hook and chain attached to the Pear Link.

WARNING: Not to be used for overhead lifting or heavy recovery. WLL: 4,700 lbs.



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STANDARD EQUIPMENT

- 102 in. Wide Body
 - 1/4 smooth floor plate (steel floor)
 - 4 x 3 structural tube crossmembers on 8 inch centers
 - Floor level sides
 - Heavy duty approach plate
- Full length subframe
- Fixed position stabilizer
- Tri-axle configuration
- Illuminated dual controls
- 15,000 lb. planetary upright winch with 1/2 x 75 ft. cable
- Air free spool winch
- 24 GPM direct mount pump
- Body lock
- Mudflaps
- Federal standard 108 shock mounted lighting
- 10 body marker lights
- Water resistant junction boxes for wire harness connection
- Lubrication fittings on all pivot points
- 6 chain locks
- Mechanical anti-tilt
- Inboard tilt cylinders
- Front left and right chain trays
- Back up alarm
- Cable tensioner
- Black body paint
- Tow light plug
- Pilot operated holding valves on tilting and lifting functions
- Two safety chains

OPTIONAL EQUIPMENT

- Removable rails
- Welded open rail sides
- Floor level sides with stake pockets
- Trailer style rubrails
- Additional chain locks
- 1/4 deck plate floor
- 5/4 Apitong hardwood floor
- Steel floor overlay on wood
- 20,000 lb. Planetary upright winch
- 30,000 lb. Planetary upright winch
- Air tensioner and regulator
- Winch guard bulkhead
- Heavy duty cab protector
- PTO
- Retractable ladder
- Aluminum tool box (33L x 18H x 18D)
- Aluminum tool box (49L x 18H x 18D)
- Aluminum tool box (65L x 18H x 18D)
- Factory installation
- Factory paint other than black
- Hydraulic rear stabilizer
- Combination underlift/hydraulic rear stabilizer
- Galvanized subframe
- Wired remote control
- Radio remote control
- Cab protector window screen
- Cab protector window grid
- Lockable chain racks
- Wheel pockets with removable aluminum covers

ACCESSORIES

- Bar light
- Work lights
- Switch panel
- Frame forks for underlift crossbar
- Frame fork storage rack
- Underlift pintle hitch
- Stabilizer mounted pintle ball hitch
- Magnetic tow lights
- J-hook chains
- Front hook-up chain
- Mudflaps

CHASSIS RECOMMENDATIONS

- Minimum GVWR - 60,000 lbs.
- Tri-axle configuration
- Tag axle 52 inches on center from drive axle
- After frame 54 inches to 57 inches from center of trunion
- Accessible PTO opening
- Maximum frame height - 44 inches
- Minimum frame height - 39 inches
- Frames under 39 inches consult factory
- Minimum frame RBM each rail - 3,000,000 in • lbs.
- Rear axle suspension must support truck frame behind rear-most axle.

CARRIER LENGTH	USABLE CAB-TO-BOGIE
26	174
27	182
28	190
29	198
30	206

SPECIFICATIONS

Body Width	102 O.D.
Body Extension	120 inches
Wheel Lift Reach	65 inches
Control Valve	Sectional, 20 GPM, 2000 PSI
Oil Reservoir	24 gallons
Oil Filter (Immersable)	250 PSI, 25 GPM, 10 Microns
Pump	24 GPM

Body Rating*	40,000 lbs. evenly distributed
Underlift	
Lift Rating (extended)	10,000 lbs.
Tow Rating	30,000 lbs.
L-arms	6000 lbs.
Forks	10,000 lbs.

* Load ratings are based on structural factors - not chassis capability or capacity.

Miller Industries reserves the right to improve or upgrade its products without obligation to modify previously manufactured units.

Patents and Patents Pending

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