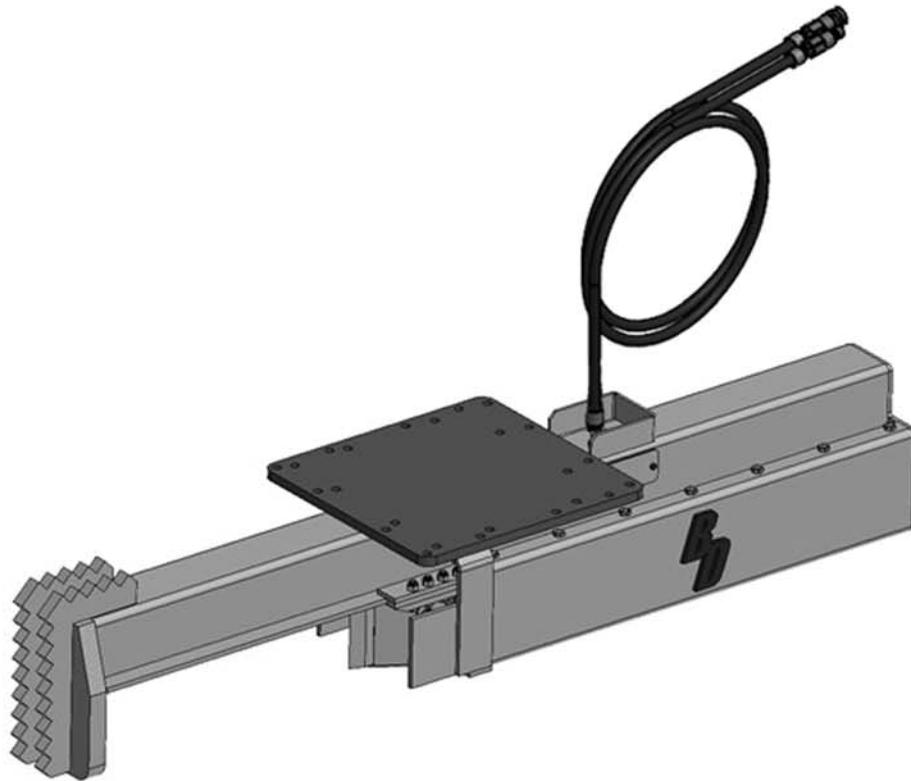


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# Operation and Maintenance Manual



## EXCAVATOR HD LOG SPLITTER

May 2021 Rev 0

1-888-376-7027

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# EXCAVATOR HD LOG SPLITTER

## Limited Warranty

### MANUFACTURER'S LIMITED WARRANTY

BLUE DIAMOND ATTACHMENTS, a manufacturer of quality attachments, warrants new BLUE DIAMOND ATTACHMENTS products and/or attachments at the time of delivery to the original purchaser, to be free from defects in material and workmanship when properly set up and operated in accordance with the recommendations set forth by BLUE DIAMOND ATTACHMENTS, LLC.

BLUE DIAMOND ATTACHMENTS liability for any defect with respect to accepted goods shall be limited to repairing the goods at a BLUE DIAMOND ATTACHMENTS designated location or at an authorized dealer location, or replacing them, as BLUE DIAMOND ATTACHMENTS shall elect. The above shall be in accordance with BLUE DIAMOND ATTACHMENTS warranty adjustment policies. BLUE DIAMOND ATTACHMENTS obligation shall terminate twelve (12) months for the HD Log Splitter after the delivery of the goods to original purchaser.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the BLUE DIAMOND ATTACHMENTS factory or authorized BLUE DIAMOND ATTACHMENTS dealership or in any way so as in BLUE DIAMOND ATTACHMENTS judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident beyond the Company recommended machine rated capacity.

### WARRANTY CLAIM

To submit a warranty claim, a return authorization from BLUE DIAMOND ATTACHMENTS must be obtained. The failed part may then be returned. Tampering with the failed part may void the warranty. This warranty does not include freight or delivery charges incurred when returning machinery for servicing. Dealer mileage, service calls, and pickup/delivery charges are the customers' responsibility.

### EXCLUSIONS OF WARRANTY

Except as otherwise expressly stated herein, BLUE DIAMOND ATTACHMENTS makes no representation or warranty of any kind, expressed or implied, AND MAKES NO WARRANTY OF MERCHANTABILITY IN RESPECT TO ITS MACHINERY AND/OR ATTACHMENTS ARE FIT FOR ANY PARTICULAR PURPOSE. BLUE DIAMOND ATTACHMENTS shall not be liable for incidental or consequential damages for any breach or warranty, including but not limited to inconvenience, rental of replacement equipment, loss of profits or other commercial loss. Upon purchase, the buyer assumes all liability for all personal injury and property resulting from the handling, possession, or use of the goods by the buyer.

No agent, employee, or representative of BLUE DIAMOND ATTACHMENTS has any authority to bind BLUE DIAMOND ATTACHMENTS to any affirmation, representation, or warranty concerning its machinery and/or attachments except as specifically set forth herein.

This warranty policy supersedes any previous documents.

**NOTE:** Blue Diamond Attachments is a trademark of BLUE DIAMOND ATTACHMENTS

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**Introduction** ..... 5

    Owner Information ..... 7

        Serial Number Location ..... 7

    Attachment Identification ..... 8

**Safety** ..... 9

    Safety Information ..... 11

        Safe Operation Needs A Qualified Operator ..... 11

        Importance of Safety ..... 12

**Operation** ..... 15

    Attachment Inspection ..... 17

        Daily Inspection ..... 17

        Weekly Inspection ..... 17

        Monthly Inspection ..... 17

    Attachment Installation ..... 18

        Entering The Operator’s Position ..... 18

        Leaving The Operator’s Position ..... 18

        Connecting Attachment To The Machine ..... 18

        Hydraulic Couplers ..... 19

        Checking Log Splitter Operation ..... 19

    Operating The Attachment ..... 20

        Machine Requirements ..... 20

        Operation ..... 20

    Attachment Removal ..... 22

**Maintenance** ..... 23

    Maintenance Safety ..... 25

        General Maintenance ..... 26

    Service Schedule ..... 27

        Maintenance Intervals ..... 27

    Troubleshooting ..... 28

    Storage And Return To Service ..... 29

        Storage ..... 29

        Return to Service ..... 29

**Parts** ..... 31

    Log Splitter Parts ..... 34

    Decals ..... 36



---

<b>Specifications</b> .....	37
Attachment Specifications .....	39
Dimensions .....	39
Torque Specifications .....	40
Standard Hardware And Lock Nuts .....	40



**Owner Information 7**

**Attachment Identification 8**



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## Owner Information

Thank you for your decision to purchase a Blue Diamond HD Log Splitter. To ensure maximum performance of your equipment, it is mandatory that you thoroughly study the Operator's Manual and follow the recommendations. Proper operation and maintenance are essential to maximize equipment life and prevent personal injury.

Operate and maintain this equipment in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and / or laws. Follow all on-product labeling and instructions.

Make sure that all personnel have read this Operator's Manual and thoroughly understand safe and correct operating, installation and maintenance procedures.

Blue Diamond is continually working to improve its products. Blue Diamond reserves the right to make any improvements or changes as deemed practical and possible without incurring any responsibility or obligation to make any changes or additions to equipment sold previously.

Although great care has been taken to ensure the accuracy of this publication, Blue Diamond makes no warranty or guarantee of any kind, written or expressed, implied or otherwise with regard to the information contained within this manual. Blue Diamond assumes no responsibility for any errors that may appear in this manual and shall not be liable under any circumstances for incidental, consequential or punitive damages in connection with, or arising from the use of this manual.

Keep this manual available for frequent reference. All new operators or owners must review the manual before using the equipment and annually thereafter. Contact your Blue Diamond Attachments Dealer for assistance, information, or additional copies of the manual. Contact [www.bluediamondattachments.com](http://www.bluediamondattachments.com) or call 888-376-7027 for a complete list of dealers in your area.

## Serial Number Location

Please record attachment information in the space provided for future reference.

**Model Number:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Dealer Name:** \_\_\_\_\_

**Dealer Number:** \_\_\_\_\_

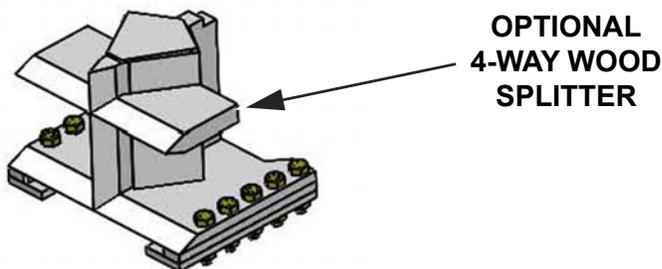
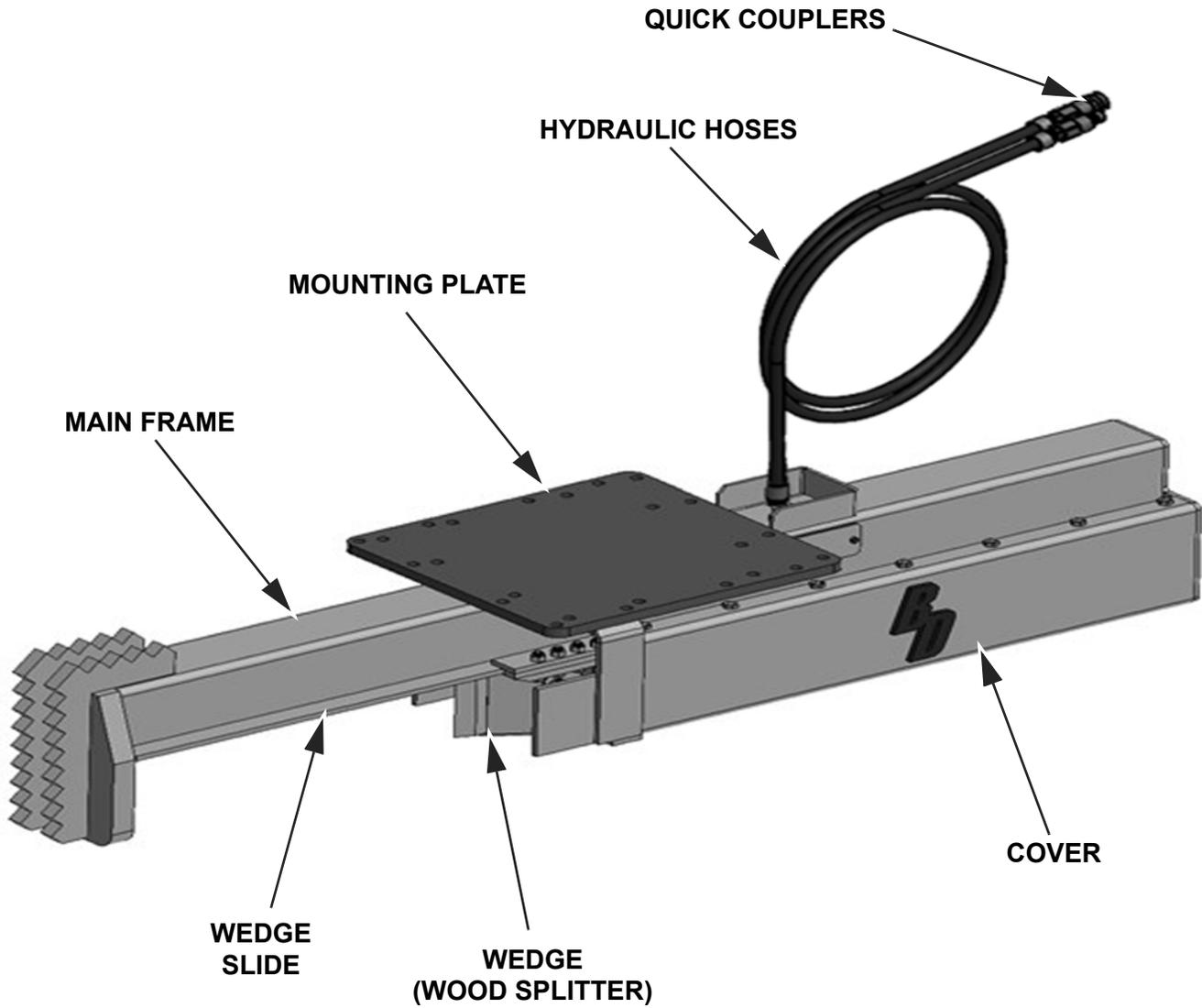
**Date of Purchase:** \_\_\_\_\_

The serial number plate is located on the main frame near the mounting plate.

Always use the serial number when requesting service information or when ordering parts.

**NOTE:** The directions left, right, front and rear, as mentioned throughout this manual, are as viewed from the operator's position.

# Attachment Identification





## Safety Information 11



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## Safety Information



### SAFETY ALERT SYMBOL



This SAFETY ALERT SYMBOL identifies important safety messages on the equipment and in the owner's manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.



### DANGER



The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.



### WARNING



The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



### CAUTION



The signal word CAUTION on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.



### IMPORTANT



The signal word IMPORTANT identifies procedures which must be followed to avoid damage to the machine.

## Safe Operation Needs A Qualified Operator



### WARNING



#### AVOID SERIOUS INJURY OR DEATH

Operators must receive instructions before operating the machine. Untrained operators can cause serious injury or death.

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine and the equipment.

#### Operator Training

- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle (SMV) emblem. Regulations may identify a hazard such as a utility line.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine safely under all conditions of the work area.



## Importance of Safety

### Operating Safety

- Read and follow instructions in this manual and the machine's Operators Manual before operating.
- Under no circumstances should young children be allowed to work with this equipment.
- This equipment is dangerous to persons unfamiliar with its operation.
- Check for overhead and / or underground lines before operating equipment (if applicable).
- In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.
- Check that the attachment is securely fastened to the machine.
- Make sure all the machine controls are in the NEUTRAL before starting the machine.
- Operate the equipment only from the operator's position.
- Operate the equipment according to the Operator's Manual.
- When learning to operate the equipment, do it at a slow rate in an area clear of bystanders.
- DO NOT permit personnel to be in the work area when operating the equipment.
- The equipment must be used ONLY on approved machines.
- DO NOT modify the equipment in any way. Unauthorized modification may impair the function and / or safety and could affect the life of the equipment.
- DO NOT make any adjustments or repairs on the equipment while the machine is running.
- Keep shields and guards in place. Replace if damaged.
- DO NOT operate equipment in poor visibility conditions such as fog, darkness, or any conditions that limit clear visibility less than 300 feet (100 m) in front of and to the sides of the equipment.
- DO NOT operate in a work area that has not been inspected for foreign debris and obstacles.
- Remove any foreign objects and clearly mark any objects that cannot be removed.
- Wear safety glasses, gloves, hearing protection and other protective clothing when required.

### Machine Requirements And Capabilities

- The machine's operator's cab should be equipped with a thermoplastic polycarbonate or similar material front window, and similar protection on the sides of the operator's cab before operating the equipment.
- Keep bystanders clear of moving parts and the work area. Keep children away.
- Use caution on slopes and near banks and ditches to prevent overturn.
- Do Not exceed 2,500 maximum operating pressure.



## Importance of Safety Cont'd

### Fire Prevention Safety

- Flammable debris (leaves, grass, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation.
- The equipment's hydraulic motor compartment must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.
- All fuels, most lubricants and some coolant mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

### Transporting Safety

- Comply with state and local laws governing highway safety and movement of machinery on public roads.
- Check local laws for all highway lighting and marking requirements.
- Always yield to oncoming traffic and move to the side of the road so any following traffic may pass.
- Never allow riders on either machine or equipment.
- If transporting the attachment on a truck or trailer, make sure it is properly secured to the transport vehicle.

### Hydraulic Safety

- Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.
- Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.



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**Attachment Inspection 17**

**Attachment Installation 18**

**Operating The Attachment 20**

**Attachment Removal 22**



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# Attachment Inspection

## Daily Inspection

**NOTE:** Inspect the attachment by performing a walk around daily before and after use. Use the following inspection checklist as a guideline.

Check the following items every 10 hours of operation:

- Verify that the log splitter is properly connected to the machine.
- Check that all shields and guards are in place.
- Check for damaged or leaking hydraulic hoses or fittings. Replace if necessary.
- Check the log splitter mounting hardware for wear or damage. Inspect the pins and mount (on the attachment) for wear or damage. Repair or replace damaged parts if necessary.

**NOTE:** Never weld or modify the log splitter unless pre-approved by an authorized Blue Diamond® Representative.



### WARNING



#### AVOID SERIOUS INJURY OR DEATH

**Before servicing the attachment:**

- Always park on a flat level surface.
- Lower dipperstick and place attachment flat on the ground.
- Place all controls in NEUTRAL.
- Engage the park brake.
- Wait for all moving parts to stop.
- Stop the engine and remove the key.

**SEE THE MACHINE OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.**

## Weekly Inspection

- Check all bolts for tightness.  
3/8" bolts to 50 ft/lb (67.5 N•m) torque  
1/2" bolts to 100 ft/lb (135 N•m) torque  
3/4" bolts to 223 ft/lb (302 N•m)
- Inspect the main frame and wedge for cracks, bends, or excessive wear.

**NOTE:** Never weld or modify the log splitter unless pre-approved by an authorized Blue Diamond® Representative.

## Monthly Inspection

- Inspect the main frame and wedge for cracks, bends, or excessive wear.
- Check that cylinders protection cover is in good condition and securely attached.
- Check that all bolts are tight.
- Check hydraulic lines, connections and fittings for hydraulic oil leaks. Repair or replace damaged parts if necessary.
- Lubricate as required. See Service Schedule on page 27.

**NOTE:** Failure to grease the wedge slides regularly can cause excess wear or cause the wedge to "stick".

- Check for damaged or missing decals. Replace if necessary.



### WARNING



**Leaking fluids under pressure can enter the skin and cause serious injury or death. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.**

# Attachment Installation

**! IMPORTANT !**



See the machine's Operator's Manual for detailed information on operating the loader.

## Entering The Operator's Position

Use the attachment safety treads, handles and steps (on the machine) to enter the operator's position.

When in the operator's position, lower safety seat bar (if equipped), start the engine and release the parking brake.

## Leaving The Operator's Position

**! WARNING !**

**AVOID SERIOUS INJURY OR DEATH**

**Before leaving the operator's position:**

- Always park on a flat level surface.
- Lower dipperstick and place attachment flat on the ground.
- Place all controls in **NEUTRAL**.
- Engage the park brake.
- Stop the engine and remove the key.
- Wait for all moving parts to stop.

**SEE THE MACHINE OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.**

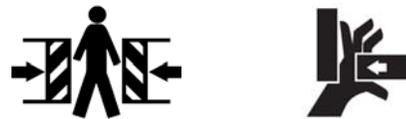
Park the machine / attachment on a flat level surface.

Place all controls in neutral, engage the park brake, stop the engine and wait for all moving parts to stop.

Use the grab handles, tracks, and safety tread (on the machine) to exit the operator's position.

## Connecting Attachment To The Machine

**! WARNING !**



**CRUSH HAZARD**

- Before moving the machine, look in all directions and make sure no bystanders, especially small children are in the work area. Do not allow anyone between the machine and attachment when approaching the attachment for connecting.
- Keep fingers and hands out of pinch points when connecting and disconnecting attachment.

Before connecting to the attachment, inspect the machine's mounting plate. (See the machine Operator's Manual for inspecting the mounting plate).

**NOTE:** Refer to the machines operator's manual for correct installation of the log splitter.

## Connecting Attachment To The Machine Cont'd

### Hydraulic Couplers

#### **IMPORTANT**

- Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the hydraulic system.

#### **WARNING**

#### **AVOID BURNS**

Hydraulic fluid, tubes, fittings and quick couplers can get hot during operation. Be careful when connecting and disconnecting hydraulic hoses.

#### Connecting Hydraulic Couplers:

Remove any dirt or debris from the surface of both the male and female couplers, and from the outside diameter of the male coupler. Visually check the couplers for corroding, cracking, damage, or excessive wear. If any of these conditions exist, replace the coupler(s).

Connect the log splitter hydraulic hoses to the machine. Pull on each coupler connection to verify that the male and female couplers are securely fastened.

#### *Disconnecting Hydraulic Couplers:*

Relieve auxiliary hydraulic pressure. (See the machine Operator's Manual for correct procedure.)

Remove any dirt or debris from the surface of both the male and female couplers.

Disconnect log splitter hydraulic hoses from the machine.

## Checking Log Splitter Operation

**NOTE:** After installing the log splitter, test the log splitter hydraulic function before operating the log splitter in the work area.

#### **WARNING**

#### **AVOID INJURY OR DEATH**

Due to the length of the log splitter, interference between the log splitter, machine boom or cab could occur, depending on how the log splitter is mounted.

Use caution when operating the log splitter to avoid personal injury or damage to the equipment.

#### **IMPORTANT**

It is the operator's responsibility to know which machine control operates each function of the attachment prior to operating the attachment in the work area.

Engage the machine's auxiliary hydraulics. (See the machine Operator's Manual for correct procedure).

Raise the engine RPM.

Check log splitter hydraulic function for proper operation.

Exit the machine. (See "Leaving The Operator's Position" on page 18.)



# Operating The Attachment

## Machine Requirements

The machine must have an with adequate lift capacity to safely maneuver the log splitter at full reach on uneven ground.

It's recommended that the machine be equipped with a thermoplastic polycarbonate or similar material front window, and similar protection on the sides of the operator's cab.



### FLYING DEBRIS OR OBJECTS WILL CAUSE SERIOUS INJURY OR DEATH

To protect the operator from any flying debris or objects, it is important that the machine's operator's cab be equipped with a thermoplastic polycarbonate or similar material front window, and similar protection on the sides of the operator's cab before operating the log splitter.

## Operation

Do Not exceed 2,500 maximum operating pressure.



### AVOID INJURY OR DEATH

Due to the length of the log splitter, interference between the log splitter, machine boom or cab could occur, depending on how the log splitter is mounted.

Use caution when operating the log splitter to avoid personal injury or damage to the equipment.



### AVOID INJURY OR DEATH

- Never start the machine from outside the cab.
- Never operate the machine if any safety device is damaged, disconnected or missing.
- Never exit the machine with the engine running.



### WEDGE WILL CAUSE SERIOUS INJURY OR DEATH

- Never put hands, feet or objects near the wedge while it is operating.
- Keep bystanders away.
- No riders.
- Stop engine before leaving the machine.

**! WARNING !****AVOID INJURY OR DEATH**

- Never operate the log splitter with any guards removed, including the cylinder cover.

**! WARNING !****AVOID INJURY OR DEATH**

While operating the machine:

- Always keep seat belt fastened.
- Safety seat bar lowered (if equipped)

Always keep your feet on the pedals or footrests and hands on the controls.

**! IMPORTANT !**

**DO NOT** operate log splitter when excessive wear is present. Serious damage can result. Replace parts if damaged.

**! WARNING !****THROWN OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH**

- Clear work area of all debris, such as rope, wire, cable or other materials that can cause attachment damage.
- **DO NOT** operate log splitter in vicinity of bystanders, animals, or damageable property. Objects can be thrown from the attachment.

## Attachment Removal

**NOTE:** Put the log splitter on planks or blocks before removing it from the machine to prevent it from settling or sinking in soft / wet ground.

Park the machine and attachment on a flat level surface.

Lower the attachment and put the log splitter flat on the ground.

Stop the engine and engage the parking brake.

Relieve auxiliary hydraulic pressure. (See the machine's Operator's Manual for correct procedure.)

Leave the operator's position. (See "Leaving The Operator's Position" on page 18.)

Disconnect the hydraulic couplers (See "Hydraulic Couplers" on page 19.)

Disconnect the attachment from the machine. (See the machine's Operator's Manual for correct procedure.)



### **WARNING**



#### **AVOID BURNS**

**Hydraulic fluid, tubes, fittings and quick couplers can get hot during operation. Be careful when connecting and disconnecting hydraulic hoses.**



**Maintenance Safety 25**

**Service Schedule 27**

**Troubleshooting 28**

**Storage And Return To Service 29**



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## Maintenance Safety



### AVOID SERIOUS INJURY OR DEATH

Never operate the machine in a closed building. Proper ventilation is required when operating the machine under all circumstances.



### AVOID SERIOUS INJURY OR DEATH

Before servicing the attachment:

- Always park on a flat level surface.
- Lower dipperstick and place attachment flat on the ground.
- Place all controls in NEUTRAL.
- Engage the park brake.
- Wait for all moving parts to stop.
- Stop the engine and remove the key.

**SEE THE MACHINE'S OPERATOR'S MANUAL FOR ADDITIONAL INFORMATION.**

- Always keep the work area clean and dry.
- Always use personal protection devices such as eye, hand and hearing protection when performing any service or maintenance.
- A fire extinguisher and first aid kit should be readily accessible while performing maintenance on this machine.
- Before working or doing maintenance on this machine, shut off the engine and remove the key. Make sure the machine's wheels are blocked.
- Never work under the machine or attachment unless the machine or equipment is blocked or supported securely.

- Disconnect the battery (both terminals) before welding on any part of the machine. Failure to do so may cause damage to electrical components.
- When working around batteries, remember that all of the exposed metal parts are "live". Never lay a metal object across the terminals because a spark, short circuit, explosion or personal injury may result.
- Battery posts, terminals and related accessories contain lead and lead compounds. **Wash hands after handling.**
- Always relieve hydraulic system pressure before repairing, adjusting or disconnecting. Never search for leaks with your hands. (See "Hydraulic Safety" on page 13.)



**Leaking fluids under pressure can enter the skin and cause serious injury or death. Immediate medical attention is required. Wear goggles. Use cardboard to check for leaks.**

- When replacement parts are necessary, genuine factory replacement parts must be used to restore your equipment to original specifications. Blue Diamond will not be responsible for injuries or damage caused by use of unapproved parts and / or accessories.
- When completing service or maintenance on this machine, make sure all shields and guards are installed before placing the machine into service.

## General Maintenance



### WARNING



#### AVOID SERIOUS INJURY OR DEATH

Before operating or servicing system: Read and understand the machine's owners manual. Follow the warnings and instructions in the manual when making repairs, adjustments, or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

To ensure efficient operation, you should inspect, lubricate, and make necessary adjustments and repairs at regular intervals. Keep good maintenance records and adequately clean your equipment after each use.

Proper lubrication is important. Follow all lubrication instructions and schedules included in this section.

**NOTE:** Repair or replace any damaged parts.

**NOTE:** After initial use, or repair/replacement of damaged parts, it is important to check the repaired or replaced parts for proper bolt torque and operation.

**NOTE:** Never weld or modify the log splitter unless pre-approved by an authorized Blue Diamond® Representative.



# Service Schedule

## Maintenance Intervals

DESCRIPTION	SERVICE PROCEDURES		
	Check	Clean	Lube
<b>Daily Maintenance (or every 8 hours)</b>			
Hydraulic Fittings	•		
Hydraulic Hoses	•		
Hydraulic Cylinder	•	•	
Wedge (cracks, bends or damage)	•		
All Hardware	•		
<b>Weekly Maintenance (or every 40 hours)</b>			
Wedge Slide			•
All Hardware	•		
Main Frame (cracks, bends or damage)	•		
Cylinder Guard (replace missing / broken bolts)	•		
<b>Monthly Maintenance</b>			
Wedge (cracks, bends or damage)	•		
All Hardware	•		

**NOTE:** It is important to apply grease to the wedge slides to prevent excessive wear or keep the wedge from sticking.



## Troubleshooting

PROBLEM	CAUSE	SOLUTION
Hydraulic quick couplers will not attach.	Excessive pressure in hoses.	Wearing appropriate protection gear, loosen the hydraulic couplers on the end of the hoses. This will allow pressure to release and oil will drain. Collect the oil in a suitable container and dispose of oil appropriately.
Weak or underpowered splitting.	Machine auxiliary hydraulic settings.	Adjust auxiliary hydraulics. (See the machine owner's manual).
	Cylinder failure.	Repair or replace.
Wedge will not move.	Machine auxiliary hydraulics not turned on.	Activate auxiliary hydraulics. (See the machine owner's manual).
	Wedge slide needs grease.	Grease the wedge slide.
Wedge or machine boom jerks.	Low hydraulic oil.	Stop operation and shut down the machine. Refer to the machine owner's manual for instructions on how to refill the machine's hydraulics.
Hoses leaking.	Loose or damaged hose fittings.	Repair or replace.
	Damaged hoses.	Replace hoses.



## Storage And Return To Service

### Storage

After the seasons use or when the log splitter will not be in use for a period of time, perform the following steps.

- Thoroughly wash the log splitter.
- Make sure all covers, guards and shields are installed.
- Inspect all components and hardware to ensure everything is secure and thoroughly tightened.
- Inspect the main frame and wedge for cracks, bends or excessive wear.
- Apply a light coat of grease to the wedge and slides to prevent rust.
- Inspect the mounting plate for wear or damage.
- Inspect for missing or damaged decals, replace as needed.
- Place the log splitter in a dry protected shelter.

**NOTE:** Replace or repair any damaged parts.

### Return to Service

After the log splitter has been in storage, it is necessary to follow a list of items to return the log splitter to service.

- Make sure all covers, guards and shields are installed.
- Inspect all components and hardware to ensure everything is secure and thoroughly tightened.
- Inspect for missing or damaged decals, replace as needed.
- Install and operate the log splitter and check for correct function.
- Check for hydraulic leaks, repair as needed.



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**Log Splitter Parts 34**

**Decals 36**

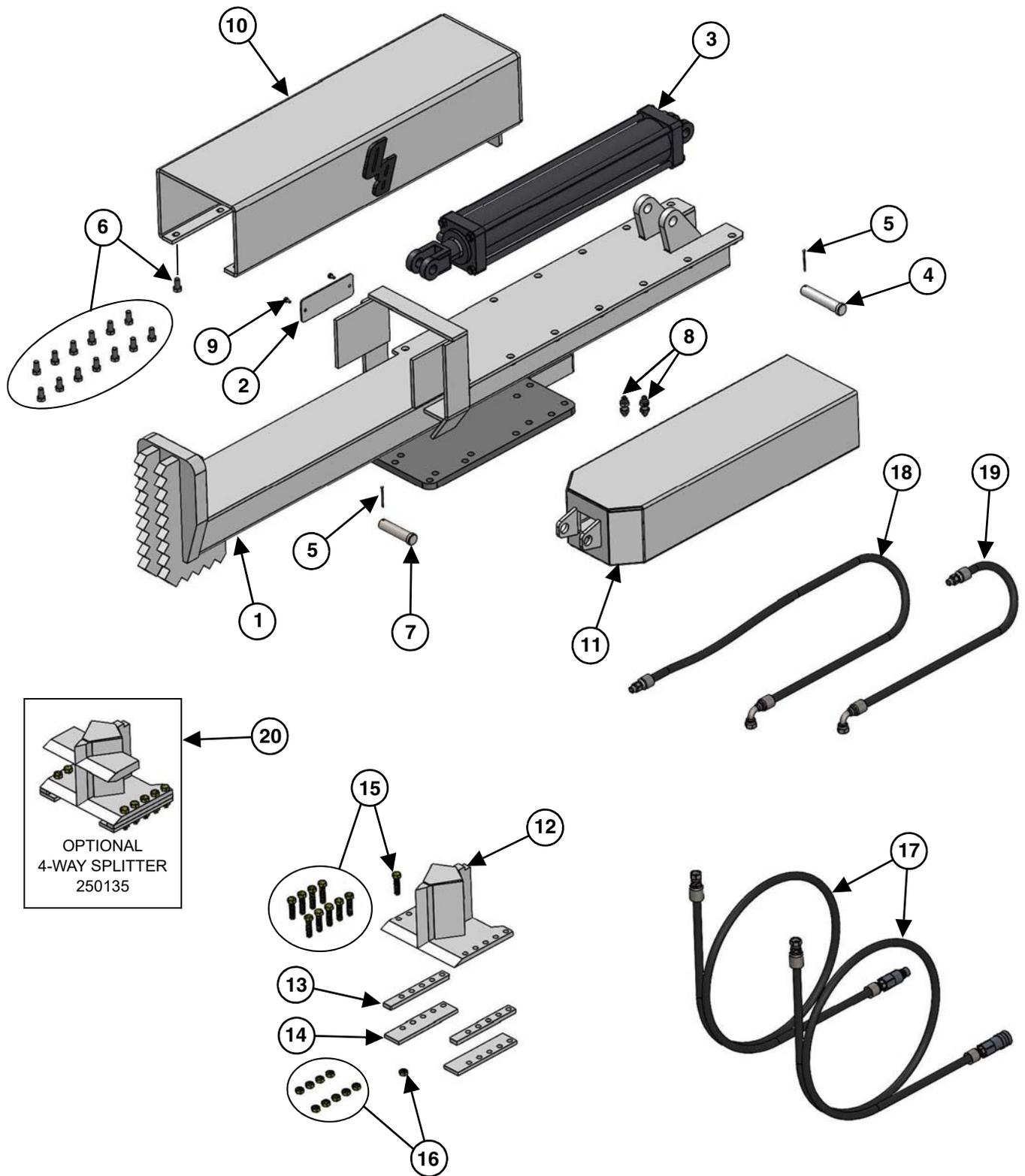


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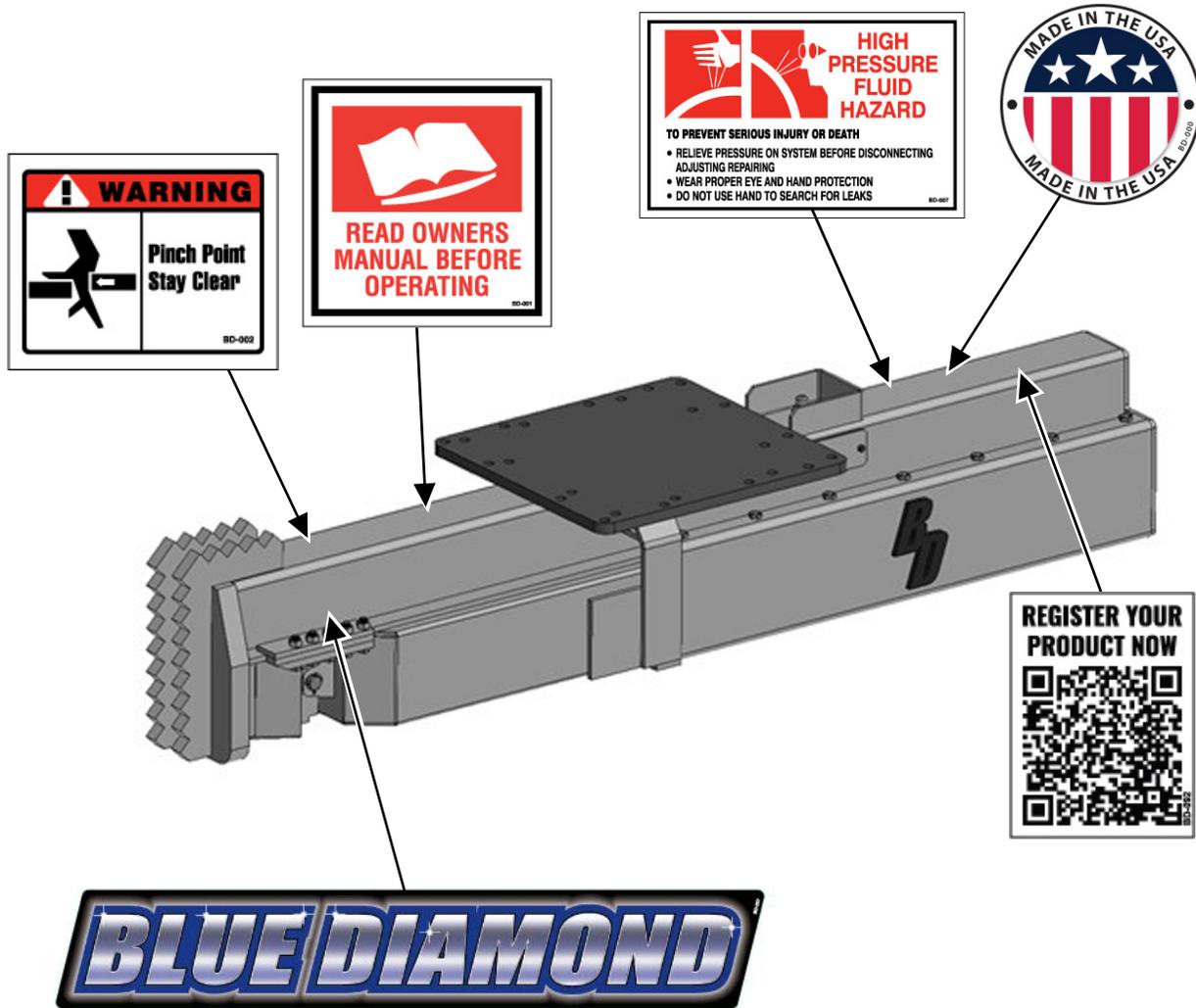
# Log Splitter Parts





ITEM	DESCRIPTION	PART #	QTY
1	LOG SPLITTER WELDMENT	250105	1
2	COVER, ACCESS	250114	1
3	CYLINDER, HYDRAULIC, 4" BORE X 24" STROKE, XØ2" ROD	250112	1
4	PIN, CLEVIS, Ø1" X 4-11/16	299516	1
5	PIN COTTER, Ø5/32" X 2"	299517	2
6	BOLT, HEX, 1/2"-13 X 1.0"	299431	14
7	PIN, CLEVIS, Ø1" X 3-11/16	299515	1
8	ADAPTER, BULKHEAD, 3/8" X 3/8"	295012	2
9	BOLT, HEX, GR8, 1/4"-20 X 1/2"	299417	2
10	COVER, OUTER	250125	1
11	COVER, RETRACTABLE	250120	1
12	WOOD SPLITTER ASSEMBLY	250130	1
13	SPACER, SPLITTER PLATE	250131	2
14	BOLT, SPLITTER PLATE	250133	2
15	BOLT, HEX, GR8, 1/2"-13 X 2.00"	299433	10
16	NUT, STOVER, GR8, 1/2"-13	299655	10
17	HOSE, MACHINE SET	250110	1
18	HOSE, INTERNAL LONG	250117	1
19	HOSE, INTERNAL SHORT	250115	1
20	4-WAY SPLITTER WELDMENT ASSEMBLY (OPTIONAL)	250135	1

# Decals



ITEM	DESCRIPTION	PART #	QTY
1	BLUE DIAMOND	BD-057	
2	PINCH POINT	BD-002	
3	READ OWNERS MANUAL	BD-001	
4	HIGH PRESSURE	BD-007	
5	MADE IN THE USA	BD-000	
6	QR CODE	BD-092	



**Attachment Specifications 39**

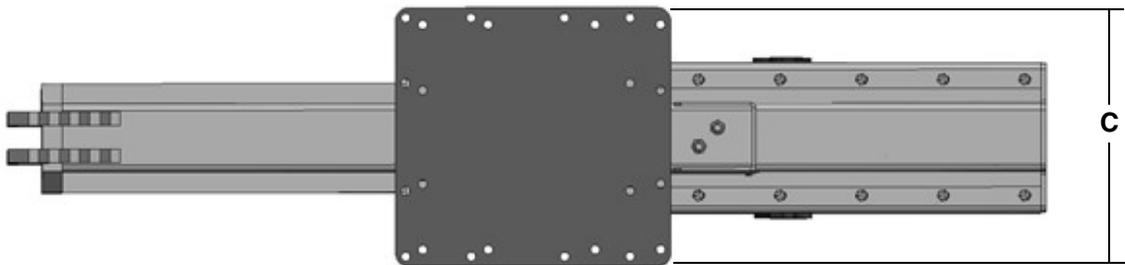
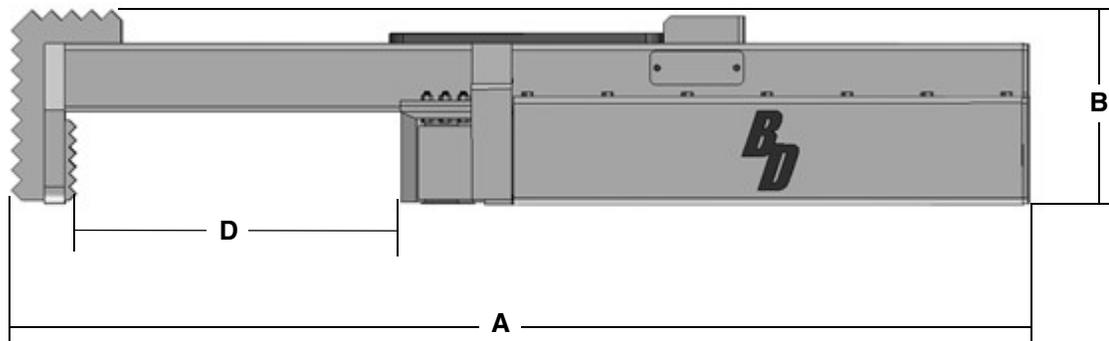
**Torque Specifications 40**



**QUALITY / DEPENDABILITY / INTEGRITY**

# Attachment Specifications

## Dimensions



DESCRIPTION	
Overall Length (A)	77 in. (1956 mm)
Overall Height (B)	13 in. (330 mm)
Overall Width (C)	19 in. (482 mm)
Maximum Cutting Width (D)	24 in. (609 mm)
Weight (without wedge & mounting plate)	625 lbs. (495 kg)



# Torque Specifications

## Standard Hardware And Lock Nuts

BOLT TYPE	SAE GRADE 5		SAE GRADE 8		LOCK NUTS			
	Nominal Size	Plated or Unplated Silver	Plated W / ZnCr Gold	Plated or Unplated Silver	Plated W / ZnCr Gold	Plated or Unplated Silver	Plated W / ZnCr Gold	W / Grade 5 Bolt
1/4	55 in / lb (6.2 N•m)	72 in / lb (8.1 N•m)	86 in / lb (9.7 N•m)	112 in / lb (12.6 N•m)	121 in / lb (13.6 N•m)	157 in / lb (17.7 N•m)	61 in / lb (6.9 N•m)	86 in / lb (9.8 N•m)
5/16	115 in / lb (13 N•m)	149 in / lb (17 N•m)	178 in / lb (20 N•m)	229 in / lb (26 N•m)	250 in / lb (28 N•m)	325 in / lb (37 N•m)	125 in / lb (14 N•m)	176 in / lb (20 N•m)
3/8	17 ft / lb (23 N•m)	22 ft / lb (30 N•m)	26 ft / lb (35 N•m)	34 ft / lb (46 N•m)	37 ft / lb (50 N•m)	48 ft / lb (65 N•m)	19 ft / lb (26 N•m)	26 ft / lb (35 N•m)
7/16	27 ft / lb (37 N•m)	35 ft / lb (47 N•m)	42 ft / lb (57 N•m)	54 ft / lb (73 N•m)	59 ft / lb (80 N•m)	77 ft / lb (104 N•m)	30 ft / lb (41 N•m)	42 ft / lb (57 N•m)
1/2	42 ft / lb (57 N•m)	54 ft / lb (73 N•m)	64 ft / lb (87 N•m)	83 ft / lb (113 N•m)	91 ft / lb (123 N•m)	117 ft / lb (159 N•m)	45 ft / lb (61 N•m)	64 ft / lb (88 N•m)
9/16	60 ft / lb (81 N•m)	77 ft / lb (104 N•m)	92 ft / lb (125 N•m)	120 ft / lb (163 N•m)	130 ft / lb (176 N•m)	169 ft / lb (229 N•m)	65 ft / lb (88 N•m)	92 ft / lb (125 N•m)
5/8	83 ft / lb (112 N•m)	107 ft / lb (145 N•m)	128 ft / lb (174 N•m)	165 ft / lb (224 N•m)	180 ft / lb (244 N•m)	233 ft / lb (316 N•m)	90 ft / lb (122 N•m)	127 ft / lb (172 N•m)
3/4	146 ft / lb (198 N•m)	189 ft / lb (256 N•m)	226 ft / lb (306 N•m)	293 ft / lb (397 N•m)	319 ft / lb (432 N•m)	413 ft / lb (560 N•m)	160 ft / lb (217 N•m)	226 ft / lb (306 N•m)
7/8	142 ft / lb (193 N•m)	183 ft / lb (248 N•m)	365 ft / lb (495 N•m)	473 ft / lb (641 N•m)	515 ft / lb (698 N•m)	667 ft / lb (904 N•m)	258 ft / lb (350 N•m)	364 ft / lb (494 N•m)
1	213 ft / lb (289 N•m)	275 ft / lb (373 N•m)	547 ft / lb (742 N•m)	708 ft / lb (960 N•m)	773 ft / lb (1048 N•m)	1000 ft / lb (1356 N•m)	386 ft / lb (523 N•m)	545 ft / lb (739 N•m)





**QUALITY | DEPENDABILITY | INTEGRITY**

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