

Instruction Manual BP-27C



WARNING!

DO NOT OPERATE THE TOOL UNTIL YOU HAVE READ THIS TOOL TRAINING
MANUAL AND EDUCATION HAS BEEN RECEIVED ACCORDING TO
ANSI STANDARD A 10.3-1995.
READING AND FOLLOWING THIS INSTRUCTION MANUAL CAN HELP
AVOID SERIOUS INJURY OR DEATH.



WARNING!

BP-27C TOOL IS TO BE USED ONLY BY LICENSED OPERATORS. YOU MUST HAVE A LICENSE BEFORE OPERATING IT. YOU MAY COMPLETE THE ENCLOSED EXAM SUCCESSFULLY AND RETURN IT TO GET A TOOL OPERATOR'S CARD THAT WILL BE ISSUED TO YOU, AND ALSO ACTIVATE YOUR WARRANTY. OPERATOR'S LICENSE CAN ALSO BE OBTAINED DIRECTLY AT: www.bpfasteners.com

PRIOR TO OPERATING THE BP-27C TOOL, PLEASE STUDY THIS MANUAL CAREFULLY AND DEVELOP A THOROUGH UNDERSTANDING OF THE CONTENTS. PROPER TRAINING ACCORDING TO THE CURRENT ANSI STANDARD A 10.3, SAFETY REQUIREMENTS FOR POWDER ACTUATED FASTENING SYSTEMS MUST BE COMPLETED AND A BLUEPOINT FASTENERS QUALIFIED OPERATOR CARD MUST BE OBTAINED PRIOR TO OPERATION OF THE TOOL. STATE, LOCAL, OR OTHER REGULATIONS SHOULD ALSO BE FOLLOWED. LAWS, REGULATIONS, AND STANDARDS REGARDING THE USE OF POWDER ACTUATED TOOLS MAY PERIODICALLY BE REVISED WITHOUT NOTICE. ANY SUCH REVISIONS MAY CHANGE THE SAFETY AND OPERATING PROCEDURES DESCRIBED IN THIS MANUAL. BLUEPOINT FASTENERS IS NOT RESPONSIBLE FOR ANY SUCH REVISIONS WHICH OCCUR AFTER PUBLICATION OF THIS MANUAL. IT IS THE RESPONSIBILITY OF THE USER TO MAINTAIN ALL KNOWLEDGE OF THE LAWS, REGULATIONS, AND STANDARDS THAT APPLY TO POWDER ACTUATED TOOLS.

WARRANTY

Bluepoint warranty assures that the supplied tool is free of defects in workmanship or material. Validity of this warranty is applied as long as the tool is handled and operated correctly, serviced and cleaned properly in accordance with the Bluepoint Instruction Manual and only if original Bluepoint components, consumables and spare parts or other equivalent quality products are used. Parts requiring replacement or repairs as a result of normal wear and tear are not covered under this warranty.

All warranties or products described herein, expressed or implied, including the warranties of merchantability or fitness for a particular purpose, are specifically excluded, with the following exceptions: Bluepoint Fasteners will repair or replace, at its option, any tool, part or element holding that, within 90 days after the sale, only if Bluepoint is found to be responsible for a defective part in material or workmanship, excluding normal wear.

All additional claims are excluded, specifically, Bluepoint is not obligated for direct, indirect, incidental or consequential damages, losses or expenses in connection with, or by reason of, the use of, or inability to use the tool for any purpose.

THIS IS THE ONLY WARRANTY AND REMEDY BLUEPOINT HAS AVAILABLE AND IS IN NO EVENT LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ANY OTHER DAMAGES.

DANGER! TO AVOID SERIOUS INJURY OR DEATH:

NEVER PLACE YOUR HAND AT THE END OF THE NOSE PIECE OF THE BP-27C TOOL. OPERATORS AND BYSTANDERS AROUND THE TOOL BEING USED MUST USE EYE AND EAR PROTECTION. ALWAYS ASSUME THAT THE TOOL IS LOADED WITH A LOAD. NEVER PLACE YOUR FINGERS ON THE NOSE PIECE OF THE LOADED OR UNLOADED TOOL UNTIL THE TOOL NOSE PIECE IS AGAINST THE WORK BASE AND YOU ARE READY TO DO A FASTENING. IF THE TOOL ACCIDENTALLY SHOOTS HIS/HER HAND OR ANY PART OF THE BODY, THE PISTON CAN ENTER THE BODY AND CAUSE SERIOUS INJURY OR DEATH. IT IS VERY IMPORTANT THAT THE OPERATOR OF THIS BP-27C TOOL READS AND UNDERSTANDS THE ENTIRE MANUAL AND COMPLETES THE OPERATORS EXAM WITH A 100% GRADE. THE WARRANTY DOES NOT APPLY UNTIL BLUEPOINT FASTENERS RECEIVES A COPY OF OPERATORS EXAM AND A COPY OF YOUR RECEIPT WHEN THE TOOL WAS PURCHASED.

Always keep this instruction manual together with the tool and ensure that they are handed over together to any other operator.

GENERAL INFORMATION

General information

Explanation of Terminology

WARNING

The word WARNING is used to emphasize a **potentially dangerous situation which could lead to severe personal injury or death.**

CAUTION

The word CAUTION is used to emphasize a **potentially dangerous situation which could lead to minor personal injury or damage to the equipment or other property.**

Graphic Symbols

	General Warning
	Read Instructions Before Use
	Use Safety Helmet
	Use Eye Protection
	Use Ear Protection
	WARNING! Hot Surface



SAFETY PRECAUTION



1. General Safety Instructions

The following points must be strictly observed at all times, in addition to the specific safety precautions listed in the individual sections.

2. Use as recommended

The tool is designed for use only by professionals in the construction industry for fastening applications where fasteners or composite fasteners are driven into steel, concrete.

3. Inappropriate use

- Modification or manipulation of the tool is not permitted.
- Unless the tool is approved for such use, it should not be used in a flammable or an explosive environment.
- Use only BLUEPOINT fasteners, cartridges, accessories or spare parts of equivalent quality to avoid risk of injury.
- Strictly follow the instructions for operation, care and maintenance given in the Instruction Manual.
- The tool should never be pointed at self or any bystander.
- The muzzle of the tool should never be pressed against a hand or any body part.
- The nails are NOT to be driven into materials such as marble, natural rock, glass, copper, brass, bronze, plastic, insulation materials, hollow brick, glazed tile, thin sheet metal (<4 mm), grey cast iron, spheroidal cast iron or gas concrete.
- The tool and its accessories may be hazardous if used improperly by an unauthorized person.

4. Workplace safety

- Avoid unergonomic body postures.
- Hazardous objects should be removed from the work area.
- The tool is only for hand-held use.
- Other bystanders, particularly children, should not be allowed in the work area.
- Make sure nobody is behind or below the point where the fastener is to be driven.
- The tool grip should always be kept free of oil or grease.

5. Basic safety precautions

- Operate the tool only in good condition and only as directed.
- Use the spall guard / stabilizer when required.
- If the cartridge fails to ignite or misfires, please do the following:
 - Hold the tool pressed against the working surface for 30 seconds.
 - If the cartridge still fails to fire, withdraw the tool from the working surface making sure it is not pointed towards anybody or yourself.
 - Manually advance by one cartridge and use the remaining cartridges on the strip.
- If 2-3 cartridges misfire in succession (without making any audible firing noise and if the fastener is driven with significantly less force), do the following:
 - Immediately STOP using the tool.
 - Dismantle the tool.



SAFETY PRECAUTION



- Ensure that the correct combination of piston, fastener guide, and fasteners are used.
- Check the piston, nose piece and the strip load and replace the worn-out parts if necessary.
- Clean all the parts of the tool.
- If the problem persists, DO NOT use the tool. Have the tool checked / repaired by a Bluepoint professional.

- Operate the tool only if your full attention is on the job.
- Do not use the tool if you feel unwell.

8. Personal Protective Equipment (PPE)

- The operator and all other bystanders must always wear eye and ear protection and a hard hat.



Prior to use



9. Read the Instruction Manual carefully.

10. Inspection of tool

- Ensure that the tool is not loaded.
- Routinely check the tool for damage and ensure that all controls operate properly.
- Check the buffer and piston for wear (see table on last page of these instructions).

11. Selection of the correct nose piece / piston / fastener combination

- Using the wrong combination may result in damage to the tool and / or affect fastening quality.

- Never try to pry a cartridge from the magazine strip or the tool.
- Do not straighten your arms while firing the tool. Keep them flexed.
- Never leave the loaded tool unattended.
- Ensure that the tool is not loaded before servicing, cleaning or replacing parts and before storing it.
- Always store cartridges and unused tools unloaded, in a dry location, and in a high or locked place, out of children's reach.



6. Temperature

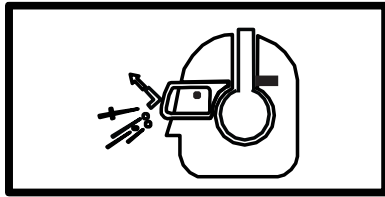
- Do not dismantle the tool when it is hot.
- Never exceed the recommended maximum fastener driving rate. (700 fastenings / hour).
- Stop if the plastic cartridge strip melts. Allow the tool to cool down.

7. Requirements to be met by users (Pre-requisites for users)

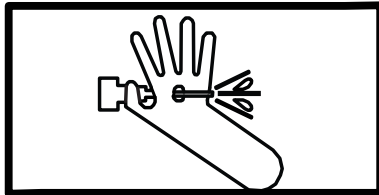
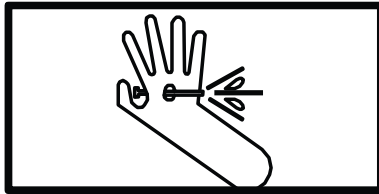
- Only authorized, trained professionals should operate, service, and repair the tool. The professional must be informed of any special hazards that may be encountered.



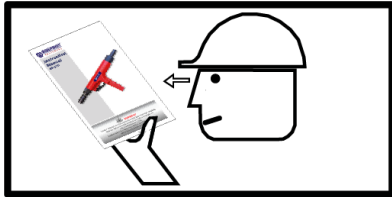
SAFETY PRECAUTION



Tool operators and bystanders must wear ear and eye protection.



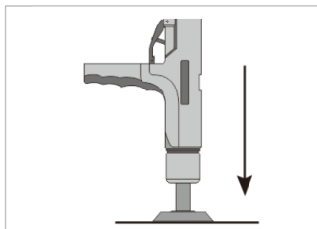
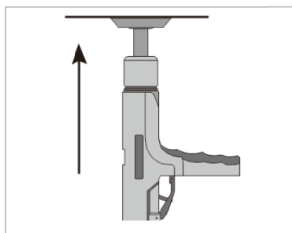
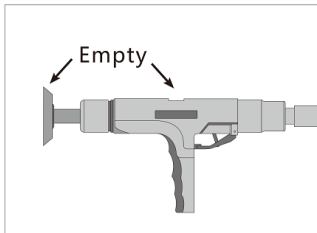
Never keep a hand over fastener loading end of the tool. A serious hand injury may occur from penetration by the piston or a discharged fastener.



Read the manual thoroughly before operating the tool.

DAILY FUNCTION TEST

1. Always check the tool first to ensure that it does not contain a strip or a fastener.
2. Try the tool by depressing the nose piece, barrel and firing pin spring completely on a hard surface. You should hear an audible clicking sound. Let up on the tool and make sure the barrel is open to semi-open position.



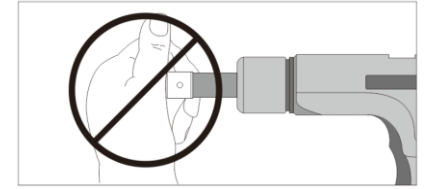
CHECK OPERATION DAILY

SAFE HANDLING OF TOOLS

**BP-27C IS NOT A STAND-ALONE TOOL.
IT MUST ALWAYS BE USED MOUNTED ON A BLUE POINT POLE.**

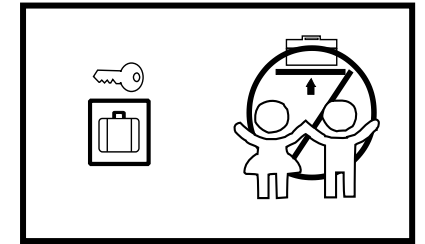


5. Never place your hands or any other body part on the loading end of the tool. It can cause serious injury by the fastener or piston if the tool is fired accidentally.



1. Always make sure that the tool is working properly before use. Follow the Daily Function Test.
2. Always use certified BLUE POINT loads from a box indicating the type of load, power and number. Never attempt to use unknown power loads.
3. **DO NOT** carry loads in pockets with loose pins or other objects. Doing so may cause the load to fire.
4. **DO NOT** load a tool unless you intend to use it immediately. Unattended loaded tool in the workplace may result in its accidental discharge by others.

6. Always unload the tool and store it along with the loads safely locked in a toolbox. Keep the keys away from children and unauthorized persons.



7. Never point the tool at yourself or others.
8. Never carry a loaded tool around or play with the tool.
9. Never allow untrained persons to operate the tool.
10. Using or cleaning tools, or handling loads in poorly ventilated areas may result in exposure to lead and other substances known to cause birth defects and physical changes. Always ensure adequate ventilation at all times and wash thoroughly after exposure.



INTRODUCTION

BP-27C is a semi-automatic feeding low velocity powder-actuated fastening tool. Continuous feeding of powder loads for a wide range of applications, make the BP-27C tool a versatile, portable, safe and reliable tool.

PREPARATION

Suitable Base Materials:

Only the following materials are suitable for Powder-actuated fastening:

- Structural Steel
- Masonry Joints
- Poured Concrete

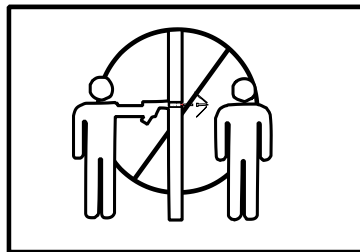
DO NOT try to fasten into any other type of materials. It can cause serious injury or blindness.

Unsuitable Base materials that should not be fastened to:

Never try to fasten into very hard or brittle materials such as tile, glass, cast iron or rocks of any kind. These materials can break, or shatter causing splinters to fly and may cause serious injury to the tool operator and the bystanders.



Never try to fasten into very hard or brittle materials.

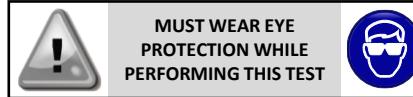


Never attach directly to a base where it can easily penetrate like wood or gypsum board.

Never attach directly to a base where it can easily penetrate like wood or gypsum board. These types of materials may cause the fasteners to penetrate through to the other side making it dangerous for other people in the work area.

Never fasten into a base material that fails the center punch test. Failure to check the suitability of the base material can cause serious injury to the eyes or other body parts.

Center Punch Test



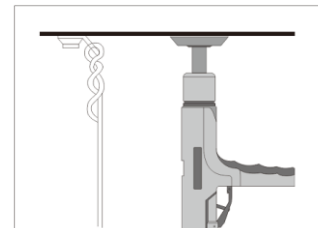
1. **Always check the hardness of the base where you want to fasten.**
2. Using a fastener as a center punch, strike the fastener with a hammer against the work surface and check the results.

Center Punch Test Result

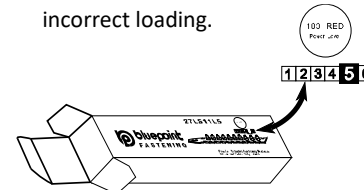
1. The material is too hard for a powder actuated fastening, if the fastener point is flattened.
2. The material is too soft, if the fastener easily penetrates it.
3. The material is too fragile, if the material cracks or shatters.
4. The material is suitable for powder actuated fastening, if the fastener causes a small indentation in the material.

Selection of Loads and Safety

1. **Always make a fastening test after ensuring that the base material is suitable to determine the appropriate power level.** If excessive power is used, the fastener may pass completely through the work material, causing death or severe injury to someone who may be in the path of the fastener.



2. **All operators must always select the level of the loads by the power level number to avoid the use of incorrect loading.**

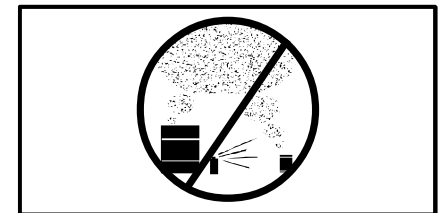


Safety at Work

1. **Operators and bystanders must always wear approved ear and eye protection.** Failure to do so can cause blindness or serious eye injury from debris, and hearing loss from exposure to constant or repeated noise from the fastening tool.
2. **Keep the work area clear of unnecessary materials and bystanders that may interfere with the safe operation of the tool.** Operating tool in a congested or disorderly area may affect the ability to operate safely.



3. **Never operate the tool when explosive or inflammable materials are close by.** Powder loads may create sparks when fired and could ignite these materials or vapors.



4. **Always provide warnings within 50' of the area where fastening is taking place: "CAUTION - Powder Actuated Tool In Use".** Failure to warn others can result in serious injury or death to them. Contact your supervisor for this sign.



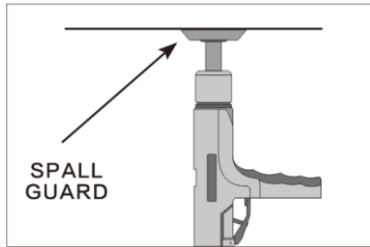


FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY TO THE TOOL OPERATOR OR BYSTANDERS

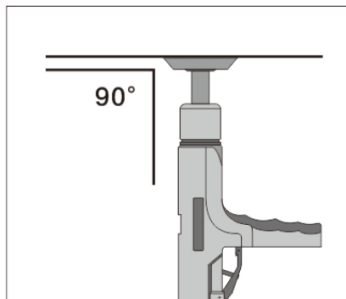
**BP-27C IS NOT A STAND-ALONE TOOL.
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FASTENER DRIVING SAFETY

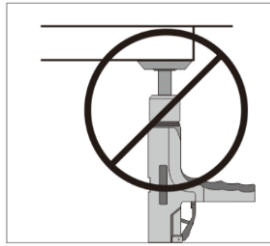
1. Use this tool **ONLY** to fasten into a recommended base material.
2. **DO NOT** fire the tool without a fastener. If the tool is fired without a fastener, the piston can hit the work surface causing serious injury to you and bystanders.
3. Always use **Spall Guard** protection whenever possible to minimize the flying particles or debris.



4. Always use the tool firmly and **perpendicular to the work surface and keep your hand flexed before firing.** Otherwise the fastener may ricochet causing injury.



5. **Never drive a fastener close to the edge of the base material or close to another fastener.** See installation page.

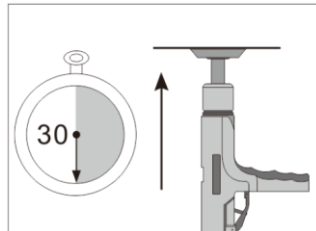


MISFIRE PROCEDURE



ALWAYS FOLLOW THE MISFIRE PROCEDURE.

If the tool does not fire, continue to hold the tool against the work surface for at least 30 seconds. Then carefully open the tool, remove the load and put it in a can of water or other non-flammable liquid. **Never discard the load into a dumpster.**



If the tool becomes stuck or jammed with a powder charge, point the tool in a safe direction and label it immediately with "DANGER – DO NOT USE – DEFECTIVE". Lock the tool in a box and contact your local dealer for assistance from BLUEPOINT.

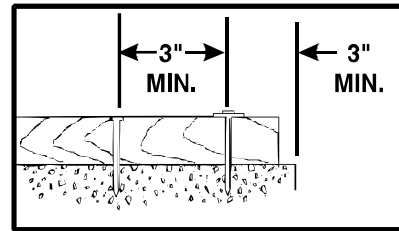
APPLICATIONS OF FASTENERS

BP-27C tool can be used for a wide range of fastening applications on a variety of substrate materials.

For best results, read and follow these important instructions for fastening. These guidelines will help you perform the fastening operation most effectively and safely. Powder actuated fastenings are permanent solutions. Any attempt to remove them may cause serious injury.

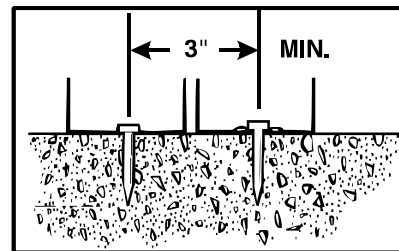
Fastening on Concrete

For fastening in concrete, keep a minimum distance of 3" between fastenings and 3" of any free edge. Concrete thickness should be at least three times the expected depth of penetration into concrete. The drive pin's ideal penetration is 1".



Fastening wood to concrete.

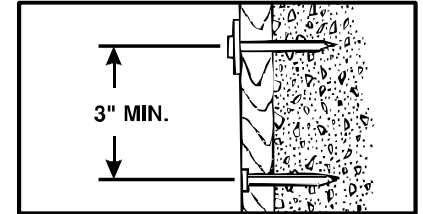
Concrete Fasteners driven too close to an edge or too close together can cause the concrete edge to fail or transfer to fly free.



Penetration of thin gauge metal.

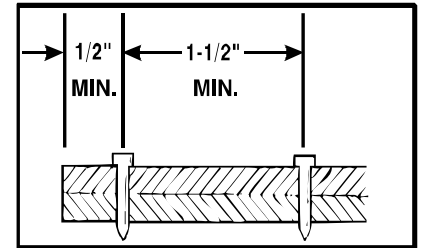
Fastening to Concrete Block or Masonry Walls

This application is not recommended, but if at all used, keep at least 3" edge distance to avoid cracking the block and excess penetration of fastener to avoid a loss in holding value. Fastening is not recommended for vertical joint.



Fastening to Steel

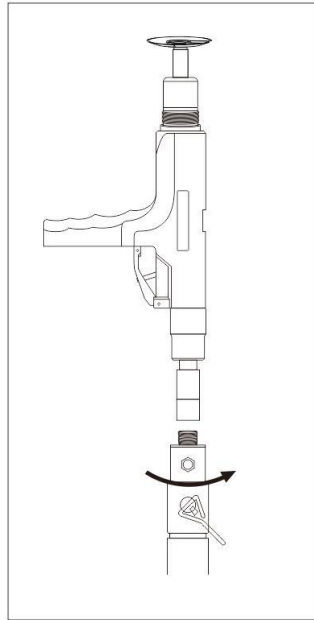
BP-27C tool can be used for fastening on the flat surfaces of structural steel. For steel fastening, always maintain a minimum of 1-1/2" between the fasteners and 1/2" from any edge.



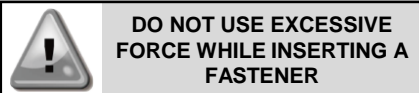
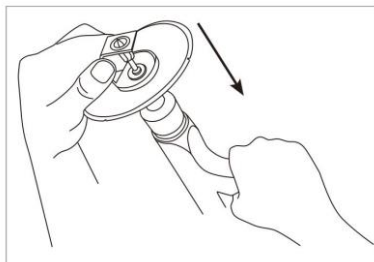


BP-27C OPERATING INSTRUCTIONS

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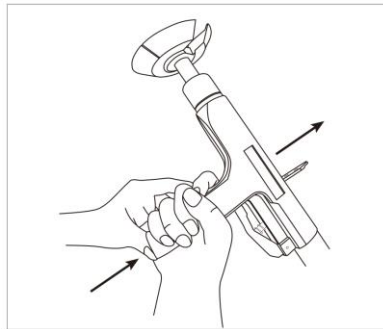


1. After checking to make sure that the tool is not loaded, point it in a safe direction and insert a fastener into the Nosepiece of the tool until it is fully seated. If a clip assembly is being used, be sure it is positioned in the cutout section of the Spall Guard.

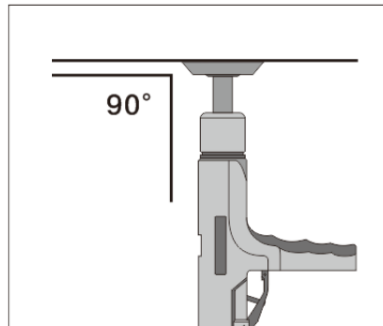


DO NOT USE EXCESSIVE FORCE WHILE INSERTING A FASTENER

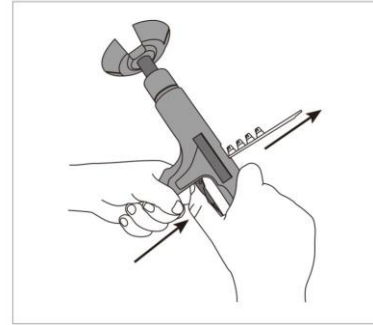
2. With the tool pointing in a safe direction and your fingers off the Advance Lever, insert the strip load through the bottom of the handle and push through until your fingers touch the handle recess. **Never try to insert a load strip into the tool from the top of the receiver.**



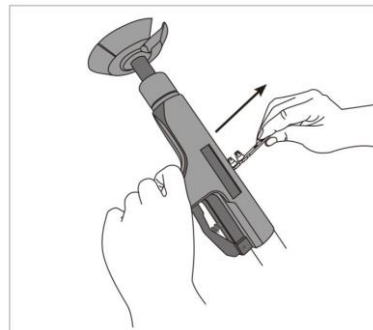
3. Raise the tool upwards carefully without bumping any other object and gently place it on the ceiling where you want to fasten. Hold it perpendicular to the work surface and push upwards to compress the firing pin spring and release the sear to fire the tool. **If the tool does not fire, hold the tool for 30 seconds and then follow the misfire procedure described on page 10.**



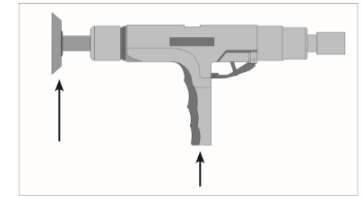
4. After one shot is fired, point it in a safe direction and insert the next fastener into the Nosepiece, and then press the Advance Lever Assembly of the housing to advance the next load, and repeat the firing operation.



5. After all 10 shots are fired, pull the load strip from the TOP of the tool. **NEVER PULL IT FROM THE BOTTOM.**



6. Check the tool frequently to ensure that the muzzle bushing and loads strip track are clear, if you are working at a site with dirt and debris.



CHECK THE NOSEPIECE BUSHING AND LOAD STRIP TRACK FOR DEBRIS

IF YOU DECIDE NOT TO MAKE A FASTENING AFTER THE TOOL HAS BEEN LOADED, ALWAYS REMOVE THE POWDER LOADS FIRST, THEN THE FASTENER. THIS WILL PREVENT ACCIDENTAL DISCHARGING OF THE FASTENER OR PISTON INTO THE OPERATION HAND.

NOTE: Use of partially used load strips.

If you want to use a partially fired load strip, the end of the strip containing the live loads should be placed into the bottom of the tool handle. Count the number of unfired loads in the strip before inserting it and keep a count as the fastenings are being made, you can easily determine when all the loads have been used.

Please watch the videos on our website: <http://bpfasteners.com/licensing/video>

TECHNICAL SPECIFICATIONS

BP-27C Tool

Tool Length	13-3/4"
Tool Weight	3.00 lbs
Load Caliber	.27 caliber strip loads (Brown, Green, Yellow, Red)
Fastener Capacity	1/2" to 1-1/4"

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BLUE POINT POLES FOR CEILING APPLICATIONS



Ninja Adjustable Multi-function Ceiling Poles

Item No.	Pole Type	Description	Adjustable length
NPM48	Ninja Heavy Duty Magnesium Pole	• With non slip insulated rubber grip • Directly comparable with all competitors tools and adapters	4' to 8'
NPM412			4' to 12'
NPM612			6' to 12'
NPM618			6' to 18'
NPM824	Ninja Standard Aluminum Pole	• Connect two or more poles using the Ninja stack system	8' to 24'
NP48			4' to 8'
NP412			4' to 12'
NP612			6' to 12'
NP618	6' to 18'		
NP824	8' to 24'		

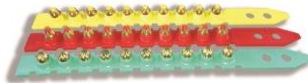


Standard Adjustable Multi-function Ceiling Poles

Item No.	Description	Adjustable length
P412	• Standard Aluminum Adjustable Ceiling Pole	4' to 8'
P612	• Directly comparable with all competitors tools and adapters	4' to 12'
P618	• Connect two or more poles using the Ninja stack system	6' to 12'



POWDER LOADS



.27 Caliber - Powder Load Strip

Model No.	Size	Description	Color	Power	Power Level
27ES11L5	6.8 x 11	.27cal long strip enhanced loads	Red	strong	5
27LS11L5	6.8 x 11		Red	strong	5
27LS11L4		Yellow	medium	4	
27LS11L3		Green	low	3	
27LS11L2		Brown	lowest	2	

FASTENERS AND FASTENER ASSEMBLIES

**ALWAYS USE BLUE POINT POWDER LOADS AND FASTENERS
WITH BP-27C TOOL.**

.300" Dia. Head (PD series), .157" & .145" Dia. Shank Drive Pins and Assemblies

Model No.	Shank Dia.	Shank Length	Description
PD22F10	.145"	7/8"	Smooth shank with flute
PD25F10		1"	
PD32F10		1-1/4"	
PD157-78F	.157"	7/8"	Smooth shank with flute
PD157-100F		1"	
PD157-114F		1-1/4"	



Model No.	Shank Dia.	Shank Length	Description
PDAC90-25F10	.145"	1"	With 90° angle clip
PDAC90-32F10		1-1/4"	
PDAC120-25F10		1"	With 120° angle clip
PDAC120-32F10		1-1/4"	
PDACTH90-22F10		7/8"	With Top hat and 90° angle clip
PD157-100C90	.157"	1"	With 90° angle clip
PD157-114C90		1-1/4"	
PD157-100C120		1"	With 120° angle clip
PD157-114C120		1-1/4"	
PD157-78THC90		7/8"	With Top hat and 90° angle clip
PD157-78HNC	.157"	7/8"	With Top hat and Ninja clip
PD157-100HNC		1"	
PD157-114HNC		1-1/4"	



Model No.	Shank Dia.	Shank Length	Description
CC25-P25	.145"	1"	With 1/4" conduit clip
CC38-P25		1"	With 3/8" conduit clip
CC50-P25		1"	With 1/2" conduit clip
CC50-P32		1-1/4"	
CC75-P25		1"	With 3/4" conduit clip
CC75-P32		1-1/4"	
CC100-P25		1"	With 1" conduit clip
CC100-P32		1-1/4"	



8mm Head (DN series), .145" Dia. Shank Drive Pins and Assemblies

Model No.	Shank Dia.	Shank Length	Description
DN22P8	.145"	7/8"	With plastic washer
DN27P8		1"	
DN32P8		1-1/4"	
DNACTH90-27P8		1"	With Top hat and 90° angle clip
DNACTH90-32P8		1-1/4"	



MAINTENANCE AND CLEANING TOOL

Please watch the videos on our website: <http://bpfasteners.com/licensing/video>
 BLUEPOINT BP-27C - Disassembly: <https://youtu.be/c8t1VPttPXQ>
 BLUEPOINT BP-27C - Assembly: <https://youtu.be/fBIAdIQSSYQ>



WARNING!
 Remove the
 cartridge strip from
 the tool first.



Use Eye Protection

1. All parts should be cleaned with oil detergent and wire brushes supplied with the tool kit.
2. Remove heavy dirt build-up with the brush.
3. After cleaning with detergent oil, all parts should be wiped thoroughly dry.
4. Excess oil will tend to accumulate dirt and dust. Use eye protection when cleaning the tool. Excess dirt or dust on the piston and cylinder assembly of the receiver must be cleaned daily.

Please review the condition of the piston to check for damage or deformation. For the tool to perform in good operating condition and work well, it is necessary to disassemble and clean the tool when the dirt collects on the side chamber or the tools seems to be losing power. If the tool seems to be losing power check for collected dirt in the chamber, this may cause loss of power. All parts must be cleaned as above with oil and brushes. Be sure to dry all parts when assembling your tool. Depending on tool use, general maintenance has to be done every six months.

TOOL DISASSEMBLY

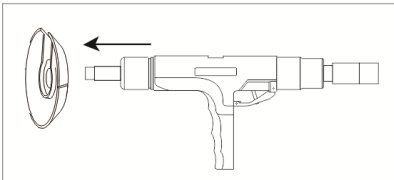


WARNING!
 Remove the
 cartridge strip from
 the tool first.

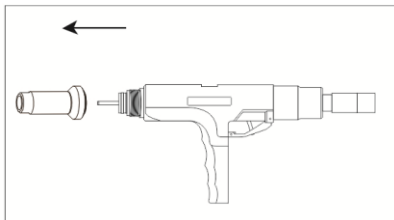
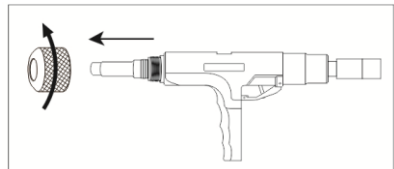


Use Eye Protection

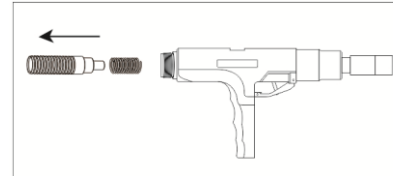
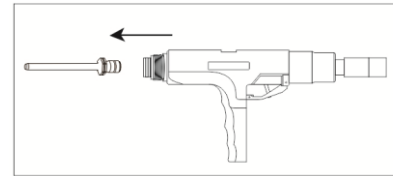
1. Remove the Spall Guard by gently pulling it.



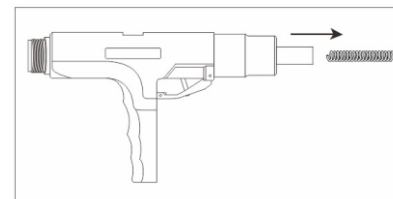
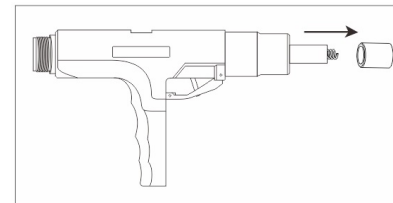
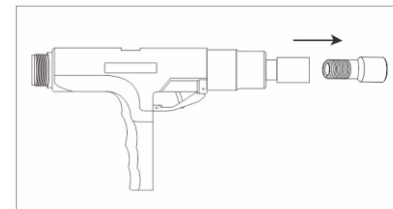
2. Unscrew the Guide Nut from the Housing Assembly and pull the Nosepiece.



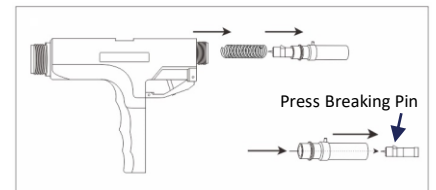
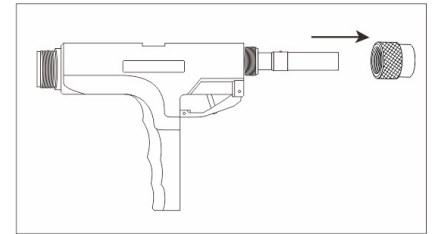
3. Remove the Piston, Barrel and Barrel Spring.



4. From the other end, unscrew the Pole Connector from Firing Pin Housing, remove Connecting Tube and Firing Pin Spring.



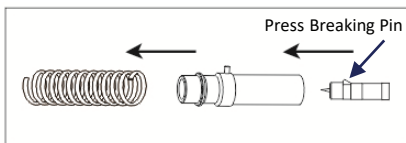
5. Press the Braking Pin and push in the Firing Pin Assembly inside the Firing Pin Housing. Remove it from the other end. (You may use the Piston to push it). Remove Firing Pin Assembly Spring,



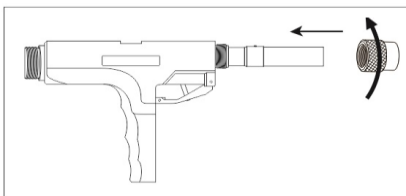
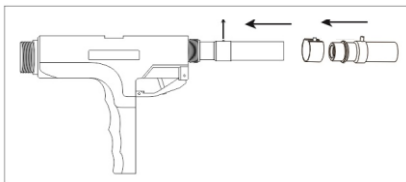
NOTE: THE TOOL SHOULD BE CLEANED ONCE A WEEK

HOW TO ASSEMBLE THE TOOL

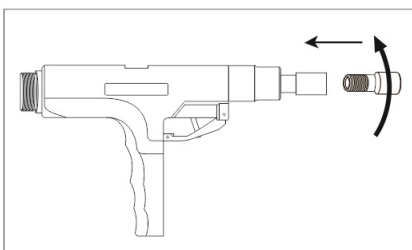
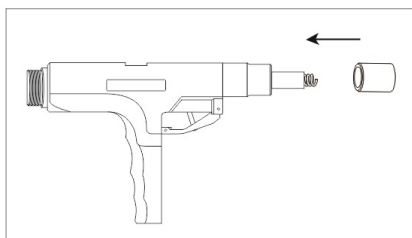
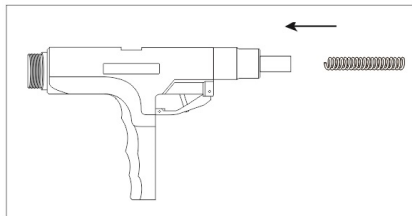
1. Press Braking Pin on Firing Pin Assembly and push it into the Firing Pin Housing. Piston may be used to push it in further so that it projects out from the other end.



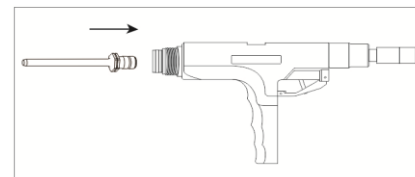
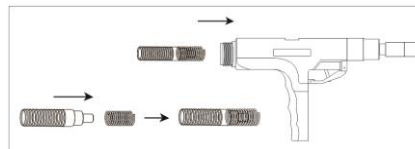
2. Insert the Firing Pin Assembly Spring into rear of the Housing. Next insert the combination of Firing Pin Housing and Firing Pin Assembly into the Housing Assembly. Ensure that the Braking Pin of the Firing Pin Assembly is aligned into the slot of the Housing Assembly and screw the Locking Sleeve on the Housing Assembly.



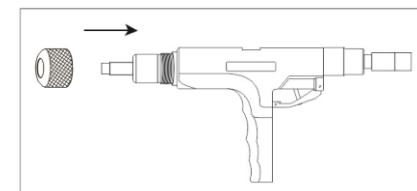
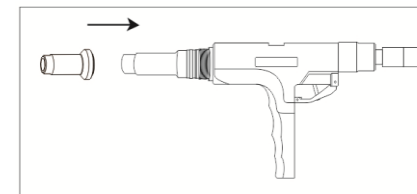
3. Insert Firing Pin Spring and Connecting Tube, press the Pole Connector on the Firing Pin Spring and screw it onto the Firing Pin Housing.



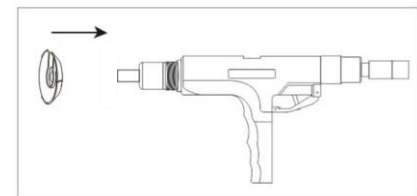
4. Change the direction of the Housing Assembly, insert the Barrel Spring, the Barrel and the Piston from the front end.



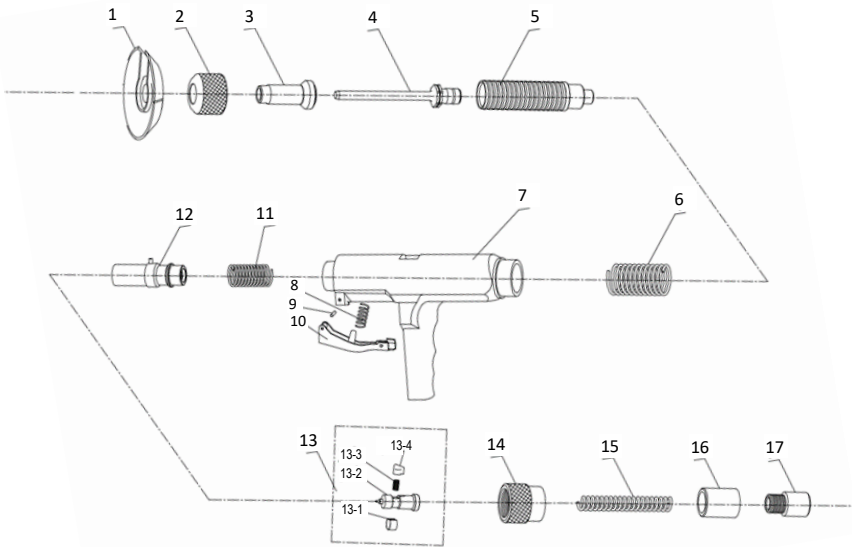
5. Insert the Nosepiece into the Guide Nut, then screw the Combination of Nose Piece and Guide Nut onto the Housing Assembly



6. Assemble the Spall Guard onto the Nosepiece.



BP-27C TOOL SCHEMATIC



S/N	Item No.	Part Name
1	BP27C-01	Spall guard
2	BP27C-02	Guide Nut
3	BP27C-03	Nosepiece
4	BP27C-04	Piston
5	BP27C-05	Barrel
6	BP27C-06	Barrel Spring
7	BP27C-07	Housing Assembly
8	BP27C-08	Advance Lever Spring
9	BP27C-09	Advance Lever Pin
10	BP27C-10	Advance Lever
11	BP27C-11	Firing Pin Assembly Spring
12	BP27C-12	Firing Pin Housing
13	BP27C-13	Firing Pin Assembly
14	BP27C-14	Locking Sleeve
15	BP27C-15	Firing Pin Spring
16	BP27C-16	Connecting Tube
17	BP27C-17	Pole Connector

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE REMEDIES
Tool does not fire	<ul style="list-style-type: none"> Failure to depress completely Excessive dirt buildup on breech face not allowing proper penetration of firing pin Firing pin and/or firing pin assembly damaged <p>WARNING Never attempt to pry a cartridge from the tool</p>	<ul style="list-style-type: none"> See “Tool does not completely depress” After following misfire procedure, check firing pin indentation on load. Clean breech face. Replace damaged parts <p>If the problem continues:</p> <ul style="list-style-type: none"> Contact Bluepoint distributor
Overdriving of fasteners	<ul style="list-style-type: none"> Excessive power Soft base material 	<ul style="list-style-type: none"> Use lower power level load color and number Check the base material <p>If the problem continues:</p> <ul style="list-style-type: none"> Contact Bluepoint distributor
Tool does not completely depress	<ul style="list-style-type: none"> Incorrectly assembled or damaged parts 	<ul style="list-style-type: none"> Check all parts for damage and assemble correctly <p>If the problem continues:</p> <ul style="list-style-type: none"> Contact Bluepoint distributor
Reduction or loss of power	<ul style="list-style-type: none"> Piston is not returning to the full rear position Worn or damaged piston 	<ul style="list-style-type: none"> Disassemble and clean Barrel, Piston, Fastener Guide and re-assemble Replace damaged piston <p>If the tool cannot be disassembled :</p> <ul style="list-style-type: none"> Contact Bluepoint distributor
Strip does not advance	<ul style="list-style-type: none"> Strip not inserted in tool correctly or is damaged Damaged indexing mechanism <p>WARNING Never attempt to pry a cartridge from the magazine strip or tool</p>	<ul style="list-style-type: none"> Check load strip. Properly dispose of damaged strip Contact Bluepoint distributor
Tool fails the Daily Function Test		<ul style="list-style-type: none"> Contact Bluepoint distributor



SAFETY PRECAUTION

- 1. BP-27C is not a stand-alone tool. It must always be used mounted on a Blue Point pole.**
- 2. Read the manual before using the tool.**
- 3. Never put your hand over the nose piece or compress with your hand.**
- 4. Never point the tool at yourself or bystanders.**
- 5. Only adults that are certified and qualified, may operate the BP-27C tool.**
- 6. Always unload the tool prior to cleaning or maintenance.**
- 7. Do not operate the tool in an explosive or flammable atmosphere.**
- 8. When fastening, if the cartridge does not fire, hold the tool in place for at least 30 seconds.**
- 9. When advancing an unfired cartridge, always keep the tool aimed away from yourself and others.**



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