

Required Safety & Protective Equipment

Always wear proper safety equipment including safety glasses, hard hats, hearing protection, and gloves while operating the tool.

Check Before Fastening

Check the thickness and type of base material before fastening. Follow your specific jobsite instructions and building code requirements.

Minimum concrete thickness is three times the fastener penetration (ie. 3" of concrete base material is a minimum requirement for 1" penetration).

In fastening into steel substrate, the minimum thickness of substrate must be 3/16".

Acceptable Base Materials

The NITROSET[®] tool is for fastening into the following base materials only:

- Concrete
- Structural Steel

Never attempt to fasten into any material other than those listed above.

Adapter Usage Table

Adapter Requirement	Types of Pin and Pin/Clip Assembly			
No Adapter Needed	CLU222	CLC12-222	PIS222W	Pin Only PIN319 PIK313 PIK316 PIN219 PIN219T
	CLR14-222	CLC34-222	PIN222W	
	CLR38-222	CLC1E-222	PIN222SW	
	CLT219	CLR14222-BRT114		
	CLC38-222	CLR14222-BRT2		
A-Adapter (Red)	CLAS532	CLSUPL532	PIN532NW	
B-Adapter (Blue)	CLAS525	CLSUPL525	CLRHD14-525	PIN222 PIS525W

*Use NTS101-1-50 Nosepiece (without adapter) for STT14 & PIN32.

Remember to read the NTS8X Tool Operation & Safety Manual for detailed procedures of troubleshooting, tool assembly, disassembly and cleaning.

Loading and Actuating Instructions

1. Check the tool and install the spall guard to the nosepiece.
2. Select the proper adapter for your pin or clip (see Adapter Usage Table).
3. Reset the tool before inserting the fastener to ensure the muzzle barrel is clear of any debris.
 - A) Pull back front of muzzle until the firing guide is flush with the muzzle.
 - B) Ensure firing pin guide clears all debris from muzzle chamber prior to inserting new fastener assembly.
4. Insert the fastener fully into the muzzle of the tool. Fasteners must be fully seated in muzzle to ensure proper actuation.

(Hold reset sleeve while inserting fasteners.)

*** In case of jammed fasteners** – Refer to Troubleshooting Guide in the manual.

5. Place the NITROSET[®] tool **perpendicular** against the fastening surface.
6. Position the tool and push directly to feel the engagement of the firing spring. Follow with a smooth and forceful motion to compress the firing spring to trigger the firing mechanism. This is the correct fastening procedure to minimize spalling and noise.

IMPORTANT: DO NOT BOUNCE FIRE THE TOOL!

7. Reset the tool to ensure the muzzle barrel is clear of debris. Repeat Steps 3 to 6 for further use.

If the tool fails to fasten, remove the spent fastener assembly while pointing the tool away from yourself and any bystanders.

WARNINGS

- If the fastener assembly cannot be inserted into the muzzle, do not force the fastener into the muzzle. This can jam the fastener in the tool and cause damage. Fasteners that cannot be inserted should be removed and discarded appropriately.
- Cracked concrete may cause loud noise when using the tool.
- Fasteners should not be driven close to the edge of the base substrate. Always maintain a distance of at least 3" from the concrete edge or 1" from the steel edge.

Remember to read the NTS8X Tool Operation & Safety Manual for detailed procedures of troubleshooting, tool assembly, disassembly and cleaning.