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Industry Leading Features & Benefits

INCREASE THE "STICK" RATE

The Nitroset solid propellant fastening system offers superior performance into hard concrete. The design of the Nitroset tool allows for the actuation of fasteners without a piston and has demonstrated a fastening success rate beyond 95% in high strength concrete.

The Complete Commercial Interior Fastening Solution

- Nitroset's unique tool design eliminates the need for multiple tools for different applications. One Nitroset Tool covers all ceiling, wall, and floor needs.
- The lightweight, low-profile tool design eases access and provides superior overhead fastening productivity, reducing cost to the user.
 Coupled with the Nitroset Pole, the sytem eliminates the need for lifts and ladders for overhead fastening.
- Nitroset's fastener offering encompasses acoustical, electrical, mechanical and specialty trades.
- USA made stainless steel fasteners are the ideal solution for tunnels, bridges, and other custom applications.

Protection for Workers and The Environment

- Lead-free, primer-free, non-explosive Nitroset fasteners are safe to use in high security and lead-free zones such as schools, hospitals, airports and military bases.
- Nitroset fasteners are brass-free; eliminating fines and costs related to policing and storing other manufacturers' brass loads on the jobsite.
- Operation is quieter with the patented, vented tool design.



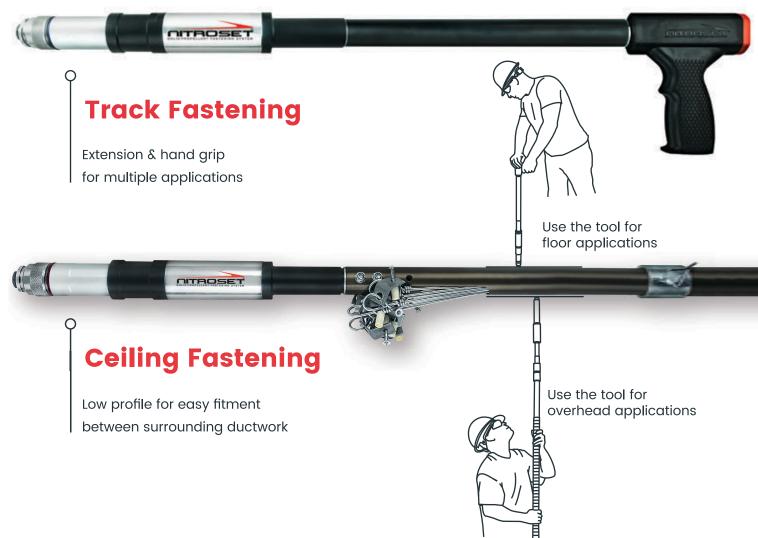


One Tool





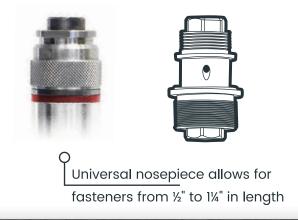
Use the tool for horizontal applications



For All Your Interior Fastening Needs

OITROSET

technology eliminates the need for multiple tools for different applications. One Nitroset tool can be used for side wall fastening, track, and ceiling fastening without the need of a separate tool.







Nitroset Tool Kits

	DESCRIPTION	PACK	CASE
NTS8X	Nitroset Tool Kit (without Extention & Hand Grip)	1 PC	4 PC
NTS8X-TP	Nitroset Triple Play Tool Kit (with Extension & Hand Grip)	1 PC	4 PC

SAFETY EQUIPMENT

Nitroset offers personal protective equipment that will allow you to focus on getting the job done safely. All our safety products meet ANSI standards for protective gear.

If you need assistance selecting or purchasing these important products, please contact a Nitroset representative.





FASTENERS

Nitroset track pins and washered pins are used for structural attachment to a variety of exterior and interior building elements.

TRACK PINS



CODE	DESCRIPTION	PACK	CASE
PIN219	3/4"x 0.125 Track Pin	1000 pc	10000 pc
PIN319	3/4"x 0.145 Track Pin	1000 pc	10000 pc
PIN219T	3/4"x 0.125 Track Pin with Top Hat	500 pc	5000 pc
PIN222	7/8"x 0.125 Nitro Track Pin	500 pc	5000 pc

Application: For attaching metal track to concrete.

WASHERED PINS



CODE	DESCRIPTION	PACK	CASE
PIN222W	7/8"x 0.125 Pin with 9/16 Washer	500 pc	5000 pc
PIN222SW	7/8"x 0.125 Pin with Square Washer	100 pc	1000 pc
PIN532NW	1-1/4" Nitro Step Shank Pin with Nitro Washer	100 pc	1000 pc

Application: For attaching elements to concrete including metal lath and track.

KNURL PINS



CODE	DESCRIPTION	PACK	CASE
PIK313	1/2"x 0.145 Knurl Pin	500 pc	5000 pc
PIK316	5/8"x 0.145 Knurl Pin	500 pc	5000 pc

Application: For attaching elements to structural steel.

ACOUSTICAL CEILING HEADERS

Nitroset fasteners can support ceiling structures.

CLAS Heavy duty clips offer optimum consistency and holding value into the toughest jobsite applications.

XL extended length clips allow the hanging of pencil rods directly in one single fastening operation. CLU utility clips are ideal for electricians and high-volume applications.

From everyday to the toughest applications we have the clip assembly for your job.

CEILING APPLICATIONS

UTILITY CLIP



CODE	DESCRIPTION	PACK	CASE
CLU222	7/8" x 0.125 Pin w/Pre-Mounted 120° Clip	100 pc	1000 pc



Application: For vertical attachment of tie wire, chain, cable, or other fastening support to concrete or structural steel base materials.

STEP SHANK PIN & CLIP



CODE	DESCRIPTION	PACK	CASE
CLAS525	1" Step Shank Pin with Nitro Clip Assembly	100 pc	1000 pc
CLAS532	11/4" Step Shank Pin with Nitro Clip Assembly	100 pc	1000 рс



Application: For wire suspension hanging acoustical ceiling systems or other overhead fixtures and applications such as hanging lights.

PENCIL ROD PIN & CLIP



CODE	DESCRIPTION	PACK	CASE
CLSUPL525	1" Step Shank Pin with Extended Clip Assembly	100 pc	1000 pc
CLSUPL532	11/4" Step Shank Pin with Extended Clip Assembly	100 pc	1000 pc



Application: For pencil rod and wire suspension hanging acoustical ceiling systems or other overhead fixtures and applications such as hanging lights.

ALLOWABLE LOADS FOR NITROSET ASSEMBLIES INSTALLED IN NORMAL-WEIGHT CONCRETE (lbf)\(^2\)

	EMBEDMENT		CONCRI	TE COMPR	RESSIVE ST	RENGHT	
ASSEMBLY	DEPTH (INCHES)					6,000 psi	
		Tension	Shear	45-Degree	Tension	Shear	45-Degree
CLU222	3/4	120	165	120	115	276	209
CLAS525	13/16	158	242	151	163	184	168
CLAS532	1 _" 1/16	150	147	213	171	146	152

For SI: 1 inch = 25.4 mm; 1 lbf = 4.4 N; 1 psi = 6895 Pa.

¹Fasteners must not be driven until the concrete has reached the specified compressive strength.

²Concrete thickness at the point of penetration must be minimum of three times the embedment depth.

PRE-TIED CEILING WIRE

support many types of ceiling structures including grids and tiles, light fixtures, wiring harnesses; and other custom electrical and mechanical assemblies. Custom options are available upon request to meet specific jobsite needs.

12 gauge wire with 7/8", 1" and 11/4" size nail and clip

Nitroset pre-tied fasteners can be used to



Custom Options Available

assemblies in standard

lengths available for

expedited shipping.

- Custom lengths
- 8 or 9 gauge wire (12 gauge standard)
- Stainless steel wire
- Double tie wire

Custom crates are easy to handle and effectively protect Nitroset pre-tied wire during transit. Make sure to always store Nitroset Pre-ties indoors.

NITROSET POLES

The Nitroset telescopic pole provides maximum efficiency for overhead applications. The durable and lightweight design makes this a valuable, time-saving accessory for acoustical professionals.



Telescoping Extension

Varied extension lengths for multiple heights



Wire Holder

Maximize performance with easy access to ceiling wire



Rubber Handle

Extended rubber handle for a firm grip

NITROSET EXTENSION POLES

	Number of Sections	Min & Max Extension	Item Weight	Pack
TOP8V	2	4 ft - 8 ft	5 LB	1 Pole
TOP12V	2	6 ft - 12 ft	6 LB	1 Pole
TOP123V	3	4 ft - 8 ft - 12 ft	6 LB	1 Pole
TOP183V	3	6 ft - 12 ft - 18 ft	8 LB	1 Pole



MECHANICAL & ELECTRICAL T R A D E S

THREADED ROD HANGERS



CODE	DESCRIPTION	PACK	CASE
CLR14-222	1/4"- 20 Threaded Rod Hanger with 7/8"x 0.125 Pin	100 pc	1000 pc
CLR38-222	3/8"- 16 Threaded Rod Hanger with 7/8"x 0.125 Pin	100 pc	1000 pc



Application: For vertical attachment of the threaded rod to concrete or structural steel base material.

HEAVY DUTY THREADED ROD HANGERS



CODE	DESCRIPTION	PACK	CASE
CLRHD14-525	1/4"- 20 Heavy Duty Threaded Rod Hanger with 1" Step Shank Pin	100 pc	1000 pc
CLRHD38-525	3/8" - 16 Heavy Duty Threaded Rod Hanger with 1" Step Shank Pin	100 pc	1000 pc



Application: For heavy duty vertical attachment of the threaded rod to concrete or structural steel base material.

BRIDLE RING CLIP ASSEMBLY



CODE	DESCRIPTION	PACK	CASE
CLR14222-BRT114	1/4"-20 Threaded Rod Clip & 7/8" Pin with 1-1/4" Bridle Ring Combo	100 pc	1000 pc
CLR 14222-BRT2	1/4"-20 Threaded Rod Clip & 7/8" Pin with 2" Bridle Ring Combo	100 pc	1000 pc



High production overhead fastening has never been easier.

Custom pre-assembled hangers can be installed directly from the floor without manlifts or ladders, saving labor & adding value to the fastening process.

ONE-HOLE STRAP



CODE	DESCRIPTION	PACK	CASE
CLC38-222	3/8" One-Hole Strap Clip with 7/8"x 0.125 Pin	100 pc	1000 pc
CLC12-222	1/2" One-Hole Strap Clip with 7/8"x 0.125 Pin	100 pc	1000 pc
CLC34-222	3/4" One-Hole Strap Clip with 7/8"x 0.125 Pin	100 pc	1000 pc
CLC1E-222	1" One-Hole Strap Clip with 7/8"x 0.125 Pin	50 pc	500 pc



Application: For multi-position (floor, wall, or ceiling) attachment of electrical conduit or armored cable to concrete or structural steel base material.

CABLE TIE CLIP ASSEMBLY



CODE	DESCRIPTION	PACK	CASE
CLT219	Cable Tie Clip with 3/4"x 0.125 Pin	100 pc	1000 pc

Application: For installing or securing electric fitting or cable to concrete. Uses a standard cable tie up to 3/8" width.

THREADED STUDS



CODE	DESCRIPTION	PACK	CASE
STT14	1/4" Threaded Stud	100 pc	1000 pc

Application: For attaching electrical components to concrete where removability of the component is required.

^{*}Use NTS101-1-50 Nosepiece for STT14.



SR 99 Tunnel - Seattle, WA - Nitroset Stainless Steel Fasteners used in lath installation.

POWER-DRIVEN STAINLESS STEEL FASTENERS

FOR HIGH PSI CONCRETE



NO MORE DRILLING AND ANCHORING!

Nitroset provides customized STAINLESS STEEL FASTENING solutions

- Power driven fastening system for high PSI precast concrete
- Ideal for installing metal lath to tunnel lining
- High corrosion resistant stainless steel pins
- Custom stainless steel washers, clips, and threaded fasteners

For more information about our stainless steel fasteners, contact a Nitroset representative at 1.800.524.4649

NITROSET PART KITS



NITROSET CLEANING KIT

► NTS101-20-KIT

NTS101-22

Brush

NTS101-23

Strike-Hold Degreaser

NTS101-24

Cloth





NITROSET SPRING KIT

► NTS101-20-KIT2

NTS101-5

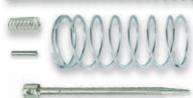
Trigger Ball Spring

NTS101-9S-OTCS

Firing Spring

NTS5X-11

Reset Spring



NITROSET TOOL REPAIR KIT

► NTS101-20-KIT3

NTS101-4

Firing Pin

NTS 101-5

Trigger Ball Spring

NTS101-8

Roll Pin

NTS101-9S-OTCS

Firing Spring

NTS5X-11

Reset Spring



NITROSET FIRING PIN **ASSEMBLY & SPRING** REPLACEMENT KIT

► NTS101-20-KIT4

NTS 101-4

Firing Pin

NTS 101-5

Trigger Ball Spring

NTS101-6

Firing Pin Holder

NTS101-8

Roll Pin

NTS101-9S-OTCS

Firing Spring

NTS5X-11

Reset Spring



NITROSET COMPLETE **REBUILD KIT**

► NTS101-20-KIT5

NTS101-4

Firing Pin

NTS101-5

Trigger Ball Spring

NTS101-6

Firing Pin holder

NTS101-7

Trigger Ball Release

NTS101-8

Roll Pin

NTS101-9S-OTCS

Firing Spring

NTS5X-11

Reset Spring

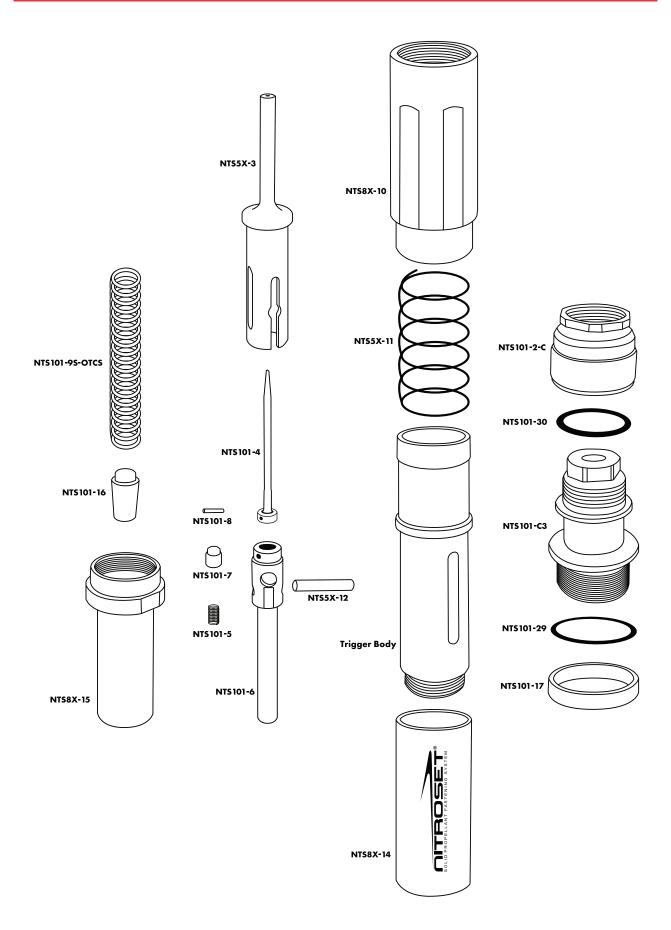
NTS5X-12

Main Assembly Pin

NITROSET PART LIST



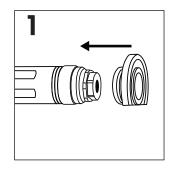
NITROSET PART DIAGRAM



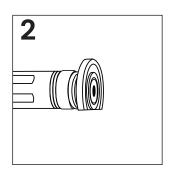
^{*} Parts in this diagram are to scale.

INSTALLATION INSTRUCTIONS FOR HORIZONTAL, TRACK & OVERHEAD INTO CONCRETE

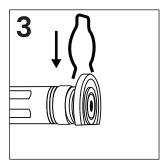
SPALL GUARD INSTALLATION

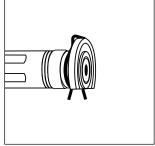


Install spall guard to nosepiece.



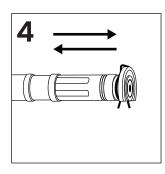
Ensure spall guard is installed flush.

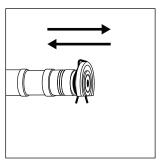




Install the retention clip to the nosepiece to hold spall guard in place.

HORIZONTAL, TRACK & OVERHEAD INTO CONCRETE



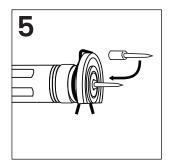


- Reset the tool before each fastening to ensure the nosepiece barrel is clear of any debris.
 - A. Pull back on front of nosepiece until reset spring fully collapses.
 - B. Ensure firing pin guide clears all debris from nosepiece chamber prior to inserting new fastener assembly.

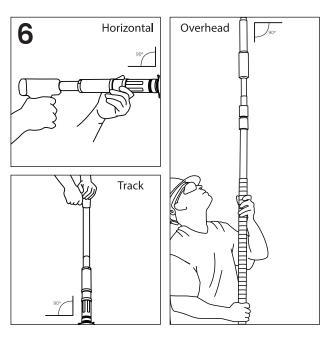
INSTALLATION INSTRUCTIONS FOR HORIZONTAL, TRACK & OVERHEAD INTO CONCRETE

WARNING

If the fastener assembly cannot be inserted into the nosepiece, do not force the fastener into the nosepiece. This can jam the fastener in the tool and damage the fastener. Fasteners that cannot be inserted should be removed and discarded appropriately.



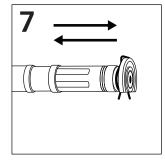
Insert the fastener fully into the nosepiece of the tool. Fasteners must be fully seated in nosepiece to ensure proper actuation.

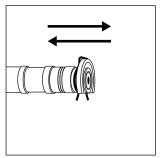


Place the NITROSET® tool perpendicular (90°) against the fastening surface.

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!





Reset the tool to ensure the nosepiece barrel is clear of debris and repeat from Step (4) to (7).

CONTACT US

Nitroset, LLC. is located in Houston, Texas where we design and manufacture the Nitroset solutions.

We believe in the timeliness of customer service and will do everything possible to satisfy our customers' needs. If you have any problems, comments, or suggestions, please call or e-mail our customer service representatives or sales associates.

Our customer service representives are available: Monday through Friday, 8am - 4:30pm CST.

NITROSET, LLC.

5600 Bonhomme Rd. Suite D Houston, TX 77036 1.800.524.4649 Fax: 713.781.5677 sales@nitroset.com

Our mission is to provide eco-friendly tools that are simple to operate and maintain while effectively meeting the most difficult jobsite challenges.

FOR MORE INFORMATION VISIT WWW.NITROSET.COM