





Universal Fastener Outsourcing, LLC











Eancing



















Drive them in;

Screw them out!™

Decks/Docks



911-Nails.com









Universal Fastener Outsourcing, LLC

The Home of HYBRID® Fasteners

BALLISTIC NAILSCREWS®



Drive them in; Screw them out!™ Quit Screwin' Around; Go Ballistic!™

(800) 352-0028 (479) 443-9292 Fax (800) 377-1109 www.911-Nails.com

<u>Universal Fastener Outsourcing, LLC Trademark Policy</u>

UFO deeply appreciates the support of our marketing partners who help us educate the public about the benefits of using innovative fastening products. When using our trademarked names and slogans, please display as:

BALLISTIC NAILSCREWS®

NailScrews®

HYBRID®

"Drive Them In; Screw Them Out!"™

"Quit Screwin' Around; Go Ballistic!"™

PT2000[®]

PT2000PLUS®

"THE GROOVER"™
"THE ELIMINATOR"™

Point Locator™ Series

PPG1500™

PneuScrew[®]





BALLISTIC NAILSCREWS®, NailScrews®, HYBRID®, "Drive Them In; Screw Them Out!"™, "Quit Screwin' Around; Go Ballistic"™, PT2000®, PT2000PLUS®, "THE GROOVER"™, "THE ELIMINATOR"™, PneuScrew®, PneuScrew Logo, & UFO™ LOGO are registered trademarks belonging to Universal Fastener Outsourcing, LLC, and it is important to inform the general public by using the ® whenever our registered product names are presented in any type of literature, including on the web. Thank you very much for your cooperation. If you have any questions, please do not hesitate to contact us.

Private label and private logo options are available.

Contents



GENERAL INFORMATION		Tools/Ballistic NailScrew® Drivers	
About UFO	1-2	Overview	58
Approved/Recommended Products		20°-22° Strip Nailers	
Coatings/Materials		NSD9021	
Corrosion Resistance		NSDGT9021FRH Gas Nailer	
Cost/Time Savings	9-10	NSDRN2275 (Multi Blow)	
Designer Considerations		NSDPL22130 (Multi Blow)	
FAQs		NSDSN22130	64
Fastener Length Chart		<u>15° Coil Nailers</u>	
Installer Considerations		NSDCN64	
Metal Applications	15	NSDCN65SP	
NailScrew® Specs		NSDCN65S	
Product Code Examples		NSDCN65S-3	68
Research & Development		NSDCN70	69
Safety Warnings		NSDCN75	70
Technical/Engineering Specs		NSDCN90	7′
Technical Support		NSDCN100	72
Warranty		NSDCN130	73
·		30°-34° Strip Nailers	
APPLICATIONS		NSDPP38/40 (The Eliminator)	74
Overview	16	NSDGT9034FRH Gas Nailer	
Concrete Forms	26-27	Mini Coil NSD	
Crating & Pallets		NSDCN32	76
Decks/Docks		NSDCN38	77
Steel Frame Decking			
Doorsills/Windowsills		Compatible Nailers7	78-79
Engineered Wood Products		Safety Instructions	
Fencing		Tools/Applications	80
Fiber-Cement Siding			
Fiberglass-Backed Gypsum Sheathing		FASTENER/COLLATION MATRIX	46
Multi-Ply Trusses		Cross Reference: Part Number to	
Roof Decking		APPLICATION4	18_51
Subflooring/Sheathing			+0-02
Timber Framing		CROSS REFERENCE: COARSE THREAD	
		CONSTRUCTION SCREWS	55
Bridge Building Pole Barns			
Trailer Floors		SPECIAL ORDER ITEMS	8′
		UFO SCREWBOLT™	01
Underlayment	40	OFO SCREWDOLI "	0∠

About Universal Fastener Outsourcing



Universal Fastener Outsourcing, LLC (UFO) is an OEM supply chain company with 60+ years of experience in the fastener and pneumatic tool industry and a member of STAFDA (Specialty Tool And Fastener Distributor Association), NWPCA (National Wooden Pallet and Container Association), and a Charter Member of NADRA (North American Deck and Railing Association) along with consistently attending Deck Expo/Remodeling Show, IBS, and JLC Live. Brand name products include: **UFO Ballistic NailScrews® (BNS)/ PneuScrews®**, collated nails (Stainless Steel, Framing, Roofing, Fencing, etc.), special pneumatic tools, collated screws with a primary focus on hidden deck fastening, and bulk fastener products. Sourcing products worldwide, UFO can deliver everything from multiple containers per month, five pallets out of stock, and OEM special manufactured tools from ten (10) to ten thousand (10,000) at extremely competitive prices to your door.

UFO is Unique

As an outsourcing company, UFO can coordinate your special orders from our Northwest Arkansas Headquarters including: creating, designing, customizing, manufacturing, importing, and delivering products.

UFO has Inventiveness and Vision

The UFO family, known for having the most up-to-date knowledge in the fastener industry, will work with you to see that your fastening needs are met on a timely basis.

- Sales Personnel know fasteners, the fastener market, and they know how to work with you.
- The experienced and disciplined operations and accounting team make UFO cost effective.
- The IT Department is on the cutting edge of technology and knows all the trends, which keeps UFO ahead of the curve. Contact webmaster@911-Nails.com.

Why trust UFO?

UFO is a privately owned company where three of the owners you talk to handle your business, including your questions, fastener and tool designs, order placements, and shipments to your location.

- Professional and knowledgeable personnel!
- Strong opinions and free advice!
- A real person answers the phone!

Quality

Our plant is ISO (9001, 16949, & 14001) Registered and has IAPMO Annual Inspections.









About Universal Fastener Outsourcing



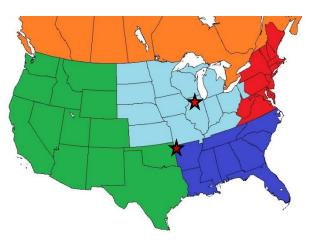
UFO WORLDWIDE HEADQUARTERS

Northwest Arkansas 800.352.0028 or 479.443.9292

UFO WAREHOUSE

4800 Industrial Peru, IL 61354





Technical Support

Call us at 800.352.0028, 479.443.9292, or visit our website at <u>911-Nails.com</u>. We strive to provide prompt and effective technical support. We will be better able to help if you know the following information when you call:

- The type or model of pneumatic tool you are using.
- The type and length of NailScrews® or fasteners you are using or considering.
- The type and thickness of the material you are driving through and into.

W. C. Litzinger: WCLitz@911-Nails.com Jim Boyd: JBoyd@911-Nails.com Sherry Stewart: SStewart@911-Nails.com for operations and order tracking.

Approvals & Recommendations



Ballistic NailScrews® are approved or recommended for the following:

AERT MoistureShield®/ChoiceDek®







GeoDeck

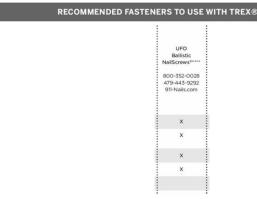






Trex





Mantis



Chart taken from page 16 of the Trex® 2011 Installation Guide.

AdvanTech



Allied Tube & Conduit



CertainTeed



Osmose, Inc.



Dragonboard









The above trademarks are not affiliated with Universal Fastener Outsourcing, LLC and are the property of their respective owners.

Important Information & Safety



The following information is provided to ensure the proper installation of UFO products. UFO may change specifications, designs, and models without notice and without liability for the changes to the fasteners or tools. This catalog includes most information available as of its publication. Please consult our website at 911-Nails.com for more information and installation videos.

Terms & Conditions of Sale

Products are designed and manufactured for the recommended purposes included in this catalog. Modifications to any of the products or installation methods should not be made. The performance of any modified products or altered installation methods are not guaranteed and are the sole responsibility of the designer. Modifications to the products or installation method may void the Manufacturer's Warranty, and UFO will not be held responsible for any or all claimed loss or damages.

Designer Considerations

- 1. There are a variety of fasteners and tools to choose from. There may be more than one product that will work well for your application. The information provided in this catalog is intended to help the designer find the best product to fit the application and environment. A qualified designer should make the choice of which products should be used. Please contact UFO for any assistance needed.
- 2. Select the collation, type, size, length, thread, head, coating, material, point, and other characteristics of fasteners needed for your tools, applications, and environment. The incorrect fastener choice may not provide the desired results. For screw size equivalence, see the chart on page 8.
- 3. Consult the corrosion resistance section before choosing a fastener.
- 4. Check load ratings of the fasteners before using in structural applications such as crating.
- 5. UFO BNS designers can be reached by e-mail or phone for helpful suggestions: W.C. Litzinger: WCLitz@911-Nails.com or Jim Boyd: JBoyd@911-Nails.com.

Installer Considerations

- 1. Choose a collation of Ballistic NailScrew® and Ballistic NailScrew® Driver/Tool needed.
- 2. Choose the Ballistic NailScrew® fastener length.
- 3. Choose a coating that meets the necessary corrosion resistance needed.
- 4. Use fasteners only in recommended applications. Always test the fastener in scrap material prior to installation. For tough applications, confirm your air pressure is 120 PSI or the tool manufacturer's maximum recommended pressure at the tool.
- 5. Always follow safety instructions and use safety equipment.
- 6. Always wear protective eyewear when installing Ballistic NailScrews® with a pneumatic or gas tool.

Important Information & Safety



Please keep in mind these safety measures when using UFO Ballistic NailScrews® and NailScrew® **Drivers:**

- 1. Always keep your work area clean and uncluttered.
- 2. Provide adequate lighting for the work area.
- 3. Only operate Ballistic NailScrew® Drivers and equipment in safe environments. Do not use tools in wet, damp, or rainy locations.
- 4. Do not use Ballistic NailScrew® Drivers or other tools around flammable liquids or gases. Sparks may be produced, especially when used with metal applications.
- 5. Keep away from children or bystanders to prevent bodily injury. Ballistic NailScrews® may ricochet if not installed correctly or into the correct materials.
- To prevent injury, never modify a Ballistic NailScrew® Driver in any way. Modifications to the tools will void the warranty.
- 7. Never hold a Ballistic NailScrew® Driver by the air hose. Keep hoses away from sharp objects, heat, oil, or moving parts.
- 8. Use the appropriate weight or exterior extension cords when needed for the air compressor.
- Never use Ballistic NailScrew® Drivers when fatigued or under the influence of medications, drugs, or alcohol. Always be alert and attentive.
- 10. Wear appropriate clothing. Keep clothing, jewelry, gloves, hair, or other loose items away from moving parts in order to prevent them being caught resulting in injury.
- 11. Make sure the Ballistic NailScrew® Driver is pointed in a safe direction before plugging it in. Keep your hands away from the trigger, power switch, or nose when carrying.
- 12. Always wear proper safety equipment such as protective glasses, hard hat, safety shoes, etc.
- 13. Be careful to maintain balance and proper footing.
- 14. Store Ballistic NailScrew® Drivers in a dry, secure area when not in use. Keep out of the reach of children or untrained personnel.
- 15. Always unplug the Ballistic NailScrew® Driver from the power source and air compressor before making adjustments, changing accessories, or storing. If you are using a gas tool, remove the battery or gas cylinder.
- 16. Keep Ballistic NailScrew® Drivers properly maintained and lubricated.
- 17. Only use accessories recommended by Universal Fastener Outsourcing, LLC.
- 18. Only use the Ballistic NailScrew® Drivers recommended for the appropriate Ballistic NailScrew® length, size, and diameter.
- 19. Any repairs to Ballistic NailScrew® Drivers should be made by qualified personnel. Use only authorized parts. Contact Elder-Hayes, Inc. for tool parts and services at www.elder-hayesinc.com or 800.769.0775.

Warranty



Limited Lifetime Warranty Against Corrosion

Universal Fastener Outsourcing, LLC (UFO) will replace any Ballistic NailScrews®/PneuScrews® with PT2000® and PPG1500™ coated, ACQ Rated, Wood, Composite, or stainless steel exterior screw that corrodes under any of the conditions described below that are applicable to that screw. The obligation of UFO under this warranty shall be limited to replacement of corroded or otherwise defective screws used for normal residential, non-commercial applications.

UFO warrants, to the original retail purchaser of its PT2000® and PPG1500™ coated or stainless steel exterior screws, that those screws will not corrode due to exposure to normal environmental conditions or to corrosives contained in treated lumber, or plastic/wood composite decking material. Please note: Stainless steel screws are the only UFO products warranted for use on or near the water, such as for docks, boardwalks or piers.

UFO warrants, to the original retail purchaser of its PT2000[®] and PPG1500[™] coated exterior screws, that those screws will not corrode due to exposure to normal environmental conditions or to corrosives contained in CCA pressure treated lumber, mahogany, teak, Ipe, Pau Lope[®], or Ironwoods[®].

UFO warrants, to the original retail purchaser of its PT2000® and PPG1500™ coated exterior ACQ Rated and Composite screws, that such screws will not corrode due to exposure to normal environmental conditions, or to corrosives contained in any of the materials listed in the preceding paragraph, or to exposure to chemicals used, as of January 1, 2007, in pressure treated lumber formulations designated as ACQ, MCQ, Copper Quat, or Copper Azole types CBA-A and CA-B.

This warranty is not transferable. It is the sole responsibility of the purchaser to arrange and to pay for the return to UFO of any screws to which this warranty applies, along with a completed warranty registration card, photos of project, and proof of purchase.

UFO shall not be liable for any installation or re-installation costs or incidental or consequential damages, and UFO shall have no further obligations hereunder except as expressly stated above.

Note: Some wood species like Cedars and Redwoods may cause bleeding and are not covered under this warranty although Ballistic NailScrews® may still work in projects using these wood species (use Stainless Steel where bleeding is a concern).

WARRANTOR DOES NOT MAKE ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO OTHER WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION IN THE FACE HEREOF.



UFO FAQs About Ballistic NailScrews® (BNS)

What are Ballistic NailScrews®?

A Hybrid® Fastener—that is, an especially designed, patented screw that you pneumatically drive with your nail gun! NailScrews® combine the advantages of collated nails (ease and speed of installation) with the best aspects of screws (quality and adjustability). Many people are finding new ways that NailScrews® can help them and are enjoying increased production, time savings, and labor savings.

What is pull-out resistance?

The amount of force (measured in pounds) needed to withdraw a fastener from the material or substrate. For example: The 21/4" BNS averaged 523 lbs. to 533 lbs. in Southern Yellow Pine Testing in 2006. Intertek Report #3100366-001 and is approved for subfloors and shear walls by IAPMO #0133.

How much pull-out resistance is enough?

When you are trying to hold two pieces of wood together, the issue is to match the pull-out resistance with the head pull through. **Example:** If the fastener has 1,000 lbs. of pull-out, but the head will pull through the material being fastened at 350 lbs., why have such a large difference? "**A chain is only as strong as its weakest link**" Why not match them closer together? That is what BNS allows you to do while giving you an acceptable connection. "Bigger or stronger is not always NEEDED or worth paying for."—W. C. Litzinger **3**rd **Party Testing** available on reguest. (Intertek Report #3100366-001)

	9 · · · · · · · · · · · · · · · · · · ·
Test 1:	Shear
Test 2:	Bending Yield Strength
Test 3a:	Pull-out Resistance through 5/8" OSB into Douglas Fir
Test 3b:	Pull-out Resistance through 5/8" OSB into Southern Yellow Pine
Test 3c:	Pull-out Resistance through 3/4" OSB into Douglas Fir
Test 3d:	Pull-out Resistance through 3/4" OSB into Southern Yellow Pine
Test 4:	Pull-out Resistance through 1/2" Densglass Gold into 12 ga Steel Stud
Test 5:	Pull-out Resistance through 5/16" Hardiplank into 12 ga Steel Stud
Test 6:	Pull-out Resistance through 5/8" Sheet Rock into Southern Yellow Pine

How do I determine the appropriate length of NailScrews®?

The length of the fastener will depend on the materials to which it is attaching to the substrate material. In wood, the length of the fastener should allow the threads to penetrate the substrate at least 1" or more. When attaching to 12-16 gauge metal, the length of the fastener should only allow two to five threads to penetrate the metal. Calculate in the thickness of the material you are fastening and allow for the appropriate penetration into the substrate. Please see the chart on page 14 for more assistance.



How is installing Ballistic NailScrews® in steel different from installing in wood?

In wood, the length of the fastener should allow the threads to penetrate the substrate at least 1-2 inches. When attaching to metal, the length of the fastener should only allow $\frac{1}{4}$ " to $\frac{1}{2}$ " (3 – 5 threads) to penetrate the metal. This will provide the best holding power.

FAQs



What is the Point Locator™ Series?

Point Locator™ is the ability to line up the ballistic tip to an exact location to drive the NailScrew[®].

How do I determine the appropriate diameter of NailScrews®?

Larger diameters have greater shear values. .113" is normal, .120 is stronger, and .131 is heavy. In steel applications, only .113" is recommended. Depending on the holding power needed, you achieve this by increasing or decreasing length or diameters or both depending on the thickness of the two pieces being fastened. Since Ballistic NailScrews® are driven in with only a slight turning motion, smaller diameters can be used.

Coarse Thread Construction Screws Cross-Reference						
UFO's Ballistic NailScrews®	Replaces Screw Number					
.113" nominal wire size with a major thread diameter of .125"	6, 7, or 8					
.120" nominal wire size with a major thread diameter of .135"	8 or 9					
.131" nominal wire size with a major thread diameter of .146"	9 or 10					
.148" nominal wire size with a major thread diameter of .165"	10 or 12					

What is shear strength?

Shear strength is the maximum load applied to a fastener's axis before it will fracture or split, essentially causing the fastener to break in half. Shear strength is usually specified in pounds per square inch (PSI). Single shear values for fasteners are typically calculated based upon the nominal body diameter or body shear area, BSA.

What coating/material options are available for Ballistic NailScrews®?

- Interior or temporary, use (YZ) yellow zinc dichromate.
- Exterior use in ACQ or MCQ treated lumber, use PT2000®, PPG1500™, or 410 stainless steel with PPG1500™.
- Around salt water or brackish water, use 305 or 316 stainless steel only.

What tools do I need?

- Wire coil and sheet coil tools give you 200 225 Ballistic NailScrews[®] (BNS) per coil, reducing the amount of reloading required during production.
- Plastic strip tools usually have a magazine angle of 20° to 22° and can hold two strips of 25 BNS allowing the application of 50 BNS before reloading. Plastic strip collations allow for better color matching options.
- Tools that have a 30° to 34° magazine can hold two plastic strips of 25 BNS allowing the application of 50 BNS before reloading.

What applications are appropriate for using Ballistic NailScrews®?

Versatility is the main advantage for Ballistic NailScrews®. The application possibilities are endless! Applications range from decking (wood, composite, or PVC), crating, pallets, concrete forms, fencing, fibercement siding, roofing, subfloor, shear walls, sheathing, manufactured housing, and many more.

Corrosion Resistance



Time Savings Study

How can Ballistic NailScrews® save you time and money?

We did a time study comparing:

- Bulk screws
- Collated screws
- Ballistic NailScrews® using three tools:
 - o NSD9021 20° 22° Plastic Strip Nailer
 - o NSDGT9021FRH 20° 22° Plastic Strip Gas Nailer
 - o NDSCN75 15° Coil Nailer

In our study, we timed the application of two deck boards on 12 inch centers (28 fasteners). The professional deck builder had never used Ballistic NailScrew® or Ballistic NailScrew® Drivers before.

Fastener and Tool	Time in Seconds	% of Time Saved over Bulk Screws
Bulk Composite Screw	240	
Collated Screws	112	53%
NSD9021 Strip Tool with NailScrews®	56	77%
NSDGT90FRH Gas Tool with NailScrews®	58	76%
NSDCN75 Coil Tool with NailScrews®	47	80%

See our speed comparison video at <u>HowToNailScrew.com</u>.



Corrosion Resistance



Dollar Savings Cost Study

We took the time savings study and looked at cost savings. Using the following variables from a professional deck builder:

1,100 linear feet of deck boards uses 2,300 fasteners. Therefore, we based our calculations on 2.1 fasteners per linear foot (6" boards) and 4.6 fasteners per square foot.

Other variables we used for our calculations:

\$25	Full labor cost per hour worker #1	\$500	Daily cost for overhead and equipment use
\$25	Full labor cost per hour worker #2	8	Number of hours worked per day
\$25	Full labor cost per hour worker #3	\$62.50	Resulting hourly cost of equipment and overhead
\$75	Full labor cost per hour for all workers	\$1.04	Resulting cost per minute of equipment and overhead
\$1.25	Resulting labor cost per minute	1,000	Square Foot Deck

Cost to Fasten Your Deck Project												
			1:	2" on Cente	er			10	6" on Cente	er		%
	Cost Per Includes labor, fasteners, and overhead Fastener for a 1,000 square foot deck	Tot	tal Cost	per Sq. Ft.		mount Saved	To	tal Cost	per Sq. Ft.		ount aved	Cheaper than Bulk Screws!
	0.0700 Bulk Composite Screw	\$	1,828	1.83			\$	1,391	1.39			
Top Down Fastening	0.1280 Collated Screws	\$	1,292	1.29	\$	536	\$	983	0.98	\$	408	29%
o Do ster	0.1000 NSD9021 with NailScrews	\$	811	0.81	\$	1,017	\$	617	0.62	\$	773	56%
Tog Fa	0.1000 NSDGT90FRH Gas Tool with NailScrews	\$	824	0.82	\$	1,004	\$	627	0.63	\$	764	55%
	0.1000 NSDCN75 Coil Tool with NailScrews	\$	755	0.75	\$	1,073	\$	574	0.57	\$	816	59%

Please use our cost calculator at <u>911-nails.com/Fastening100,000SqFtCostCalculator.xls</u> for a more complete cost savings analysis.

Corrosion Resistance



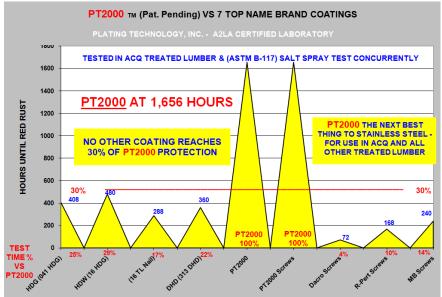
PT2000®

"The Next Best Thing to Stainless Steel™"

PT2000® is quickly gaining acceptance as the "next best thing to stainless steel" for use in the more corrosive wood treating chemicals and many exterior applications like: decks, fences, boat docks, board walks, playground equipment, sill plates, joist hangers, etc. PT2000® coating is available on items including: Ballistic NailScrews® (BNS) collated nails or bulk screws designed to be in contact with Pressure Treated Lumber.

PT2000® ...

- ♦ Offers superior corrosion resistance versus competitive coatings
- A premium quality coating for exterior applications
- ♦ All PT2000® test data confirmed by third party tests
- Has Consistent resistance to corrosion
- ☼ Delays initial occurrence of red rust which is critical to product durability





Testing in 2003







Ballistic NailScrew® Coatings



COATINGS

PT2000®



PT2000® is used for more corrosive wood treating chemicals and many exterior applications like: decks, fences, boat docks, board walks, and playground equipment. Salt spray tests show no corrosion in over 1,500 hours.

For more information on corrosion resistance, see page 9.

PPG1500™

PPG1500™ by Pittsburg Paint Group allows color matching to products such as composite decking while still providing corrosive protection. Salt spray tests show no corrosion in over 2,000 hours.

Yellow Zinc (YZ)

Yellow Zinc coating is used for temporary corrosion resistance. YZ coating is not designed for use with Treated Lumber or exterior applications. Class 1 galvanized ASTM A641/A64M-98 is available on request (special order only).

STAINLESS STEELS

305 Stainless Steel

305 is an austenitic chromium-nickel stainless steel that is not magnetic. It cannot be hardened by heat treatment. It is corrosive resistant. ASTM B-117 Salt Spray Tests show no sign of surface red rust at 1,000 hours.

316 Stainless Steel

316 is an austenitic chromium-nickel stainless steel containing molybdenum. It provides an increased strength at higher temperatures and provides the highest corrosive resistance. ASTM B-117 Salt Spray Tests show no sign of surface red rust at 1,000 hours.

410 Stainless Steel with PPG1500™

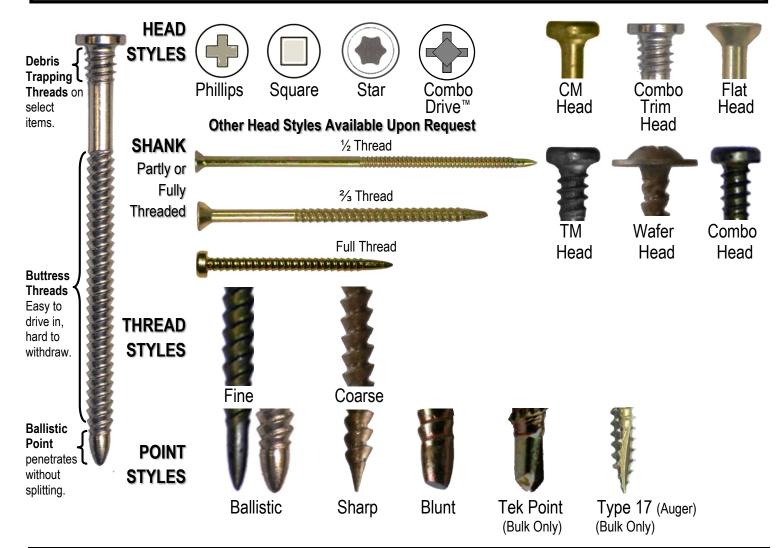
410 is a martensitic grade of stainless steel that is magnetic. It is corrosive resistant in mild chemical environments. When coated with PPG1500™, ASTM B-117 Salt Spray Tests show no sign of rust at 5,500 hours.

Contact UFO for testing data on 410 Stainless Steel and PPG1500™.

Coating or Material Recommendations									
Environment	Untreated	Treated	Composite	PVC	Steel/				
	Lumber	Lumber	Decking	Decking	Metal				
Interior (Dry)	Yellow Zinc	PT2000 [®] PPG1500™	N/A	N/A	Yellow Zinc PT2000®				
Exterior	PT2000®	PT2000®	PT2000®	PT2000®	PT2000®				
	PPG1500™	PPG1500™	PPG1500™	PPG1500™	PPG1500™				
Corrosive/Coastal	Stainless	Stainless	Stainless	Stainless	410 Stainless				
Exposure	Steel	Steel	Steel	Steel	Steel w/ PPG				

NailScrew[®] Specs





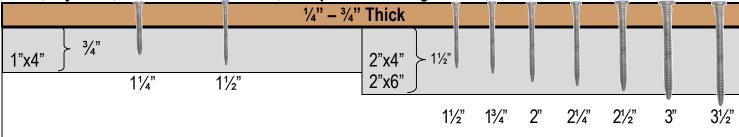
PREFIX & SUFFIX CODES FOR PART NUMBERS								
HD = 21 ° PLASTIC STRIP	CM = CRATING MASTER™	PT = PRESSURE TREATED PT2000® OR PPG1500™	PH = PHILLIPS					
HS = PLASTIC SHEET COIL	TM = TRAILER MASTER™	SS = STAINLESS STEEL	SQ = SQUARE					
MC = MINI COIL	H = HIGH LOAD	YZ = YELLOW ZINC GALV.	SP = COMBO DRIVE™ (#2 SQUARE/PHILLIPS)					
PS = 34° PLASTIC STRIP	PL = POINT LOCATOR	BNS = BALLISTIC NAILSCREW®	TH = TRIM HEAD (T-15 STAR)					
WC = WIRE COIL			,					
	COLOR	CODES						
B = BROWN	BL = BLACK	C = CEDAR	G = GRAY					
M = MAHOGANY	T = TAN/ EARTH TONE	W = WHITE / WALNUT (ONLY ON HSNS212113PSQW)	SS = STAINLESS STEEL					

Ballistic NailScrew[®] Length Chart

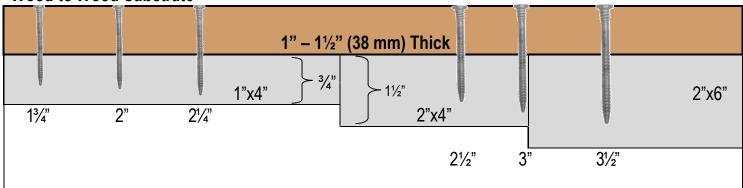


Fastener Length Chart

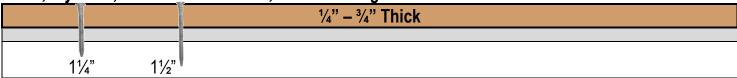
OSB, Plywood, Fiber-Cement Boards, Composite Decking Boards, etc. to Wood Substrate



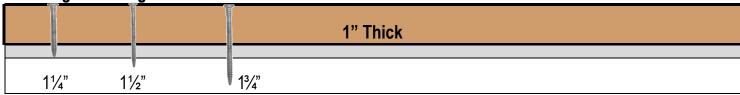
Wood to Wood Substrate



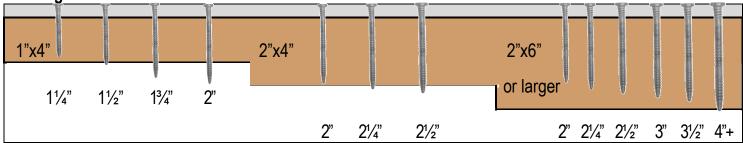
OSB, Plywood, Fiber-Cement Board, etc. to 12-16 ga Metal Substrate



Decking to 12-16 ga Metal Substrate



12-16 ga Metal to Wood Substrate



Metal Applications



Tips for Using BNS in Light Gauge Metal Applications

- Use a pneumatic tool with the capability of adjusting the depth of the drive.
- Use no-mar tips on your pneumatic tool. See page 80 for a suggested list of tools.
- Be precise with your placement and stay perpendicular to the work surface.
- Make sure the materials being fastened are pulled very tightly against each other to limit the springing or flexing (push-away) as much as possible. It is recommended to layout the materials first then manually screw the material together tightly in random places to avoid push-away or buckling. A conscientious person can then complete the job with NailScrews[®].
- Limit the recoil of the tool as much as possible. <u>Use the sequential fire setting available on most current model tools so you can be very deliberate in your placement.</u>
- Establishing and maintaining the correct air pressure is the most critical. No more than a 10 lb. to 15 lb. variation will allow the depth of drive you have selected to function consistently. Keep in mind that using more hose causes a drop in the pressure at the tool; therefore, the

shorter the hose (and the closer to the compressor), the better the control you will have.

Stay close to the fold of the metal for strength and to reduce push-away.

• For the best pull-out resistance, only allow three to five threads of the NailScrew® through the metal substrate as shown.



Benefits

- Reduced labor cost with the increase in speed will save you time and money. See our Time and Cost Savings Study on pages 9-10.
- Our beveled fine threads and ballistic points are designed to disturb the substrate as little as possible.
- Independent testing has shown Ballistic NailScrews® provide greater shear values, pull-out resistance, and bend yield strength.

Tightening or Removal

- Driving the fasteners correctly the first time should be your first goal.
- If it is driven incorrectly, use a manual screwdriver to tighten or remove it.
- To remove BNS, **go slow** for the first few revolutions while the treads are cutting into the metal (12-18 gauges). Remember: Speed kills.

Applications

Ballistic NailScrews® can be used in most all applications where cement board, wood, or composites are being attached to light gauge metal. Please see the application section for more information on the BNS. Call 479.304.1238 for assistance with your special application and ask for W.C.



Applications Overview





Ballistic NailScrews® (BNS) are collated screws that install with a pneumatic nailer. Using them can increase productivity, lower labor costs, provide high quality and durability to your work, and reduce the operation stress associated with other collated screw systems.

"Drive them in; Screw them out!"™

"Fast like collated nails, but when you finish, you have the advantage of a screw assembly."

Rich Steptoe Trex® Decking Platinum Installer Steptoe Siedzkowski Construction

"Quit Screwin' Around; Go Ballistic!"™

Applications in this section:

Concrete Forms	26-27	Mυ
Crating/Pallets	22-24	Ro
Decks/Docks	17-21	Ste
Door/Window Sills	29	Su
Engineered Wood Products	38-38	Tin
Fencing	30-32	Tra
Fiber-Cement Siding	33-35	Un
Fiberglass-Backed Gypsum Sheathing	36	

Multi-Ply Trusses	38-38
Roof Decking	39-40
Steel Frame Decking	21
Subflooring/Sheathing	41-42
Timber Framing/Bridge Building/Pole Barns	43
Trailer Floors	44
Underlayment	45

Application: Decks/Docks

Pressure Treated Lumber



20/22° BNS Plastic Strip

PPG1500™ Coated with Color Combo Head

Part Number	Length	Diameter	Head	Color	#/Case	Cases/Skid
PTHDNS214CSQB	21/4" (57 mm) V	.120" (3 mm)	#2 SQ	Brown	1,000	100
PTHDNS214CSQC	21/4" (57 mm) V	.120" (3 mm)	#2 SQ	Cedar	1,000	100
PTHDNS214CSQG	21/4" (57 mm) V	.120" (3 mm)	#2 SQ	Gray	1,000	100
PTHDNS214CSQT	21/4" (57 mm) V	.120" (3 mm)	#2 SQ	Tan	1,000	100
PTHDNS212CSQ	2½" (65 mm)	.120" (3 mm)	#2 SQ	Gold	1,000	100



For use with ACQ treated lumber and all types of wood decking. Special order colors available on request.

VV Virginia Tech Multiple Use Classified

PT2000 PPG1500™ Flat Head - Dark Gray Cases/ UER-0133 **Part Number** Diameter #/Case Length Head Skid PTHDNS134113PH 1¾" (44 mm) .113" (2.8 mm) #2 PH 1,000 100 2" (50 mm) 1,000 PTHDNS200113PH .113" (2.8 mm) #2 PH 100 Combo Drive™ #2 SQ & #2 PH PTHDNS212113PH 2½" (65 mm) ★ 1.113" (2.8 mm) #2 PH 100 1,000 PTHDNS212113SQ 2½" (65 mm)★ .113" (2.8 mm) #2 SQ 1.000 100 PTHDNS212113SP4 2½" (65 mm) ★ 1.113" (2.8 mm) | #2PH/#2SQ 4,000 48 PTHDNS300113PH 3" (75 mm) ***** 1.113" (2.8 mm) #2 PH 1,000 100 PTHDNS300113SQ 3" (75 mm) ★ 1.113" (2.8 mm) #2 SQ 1.000 100 PTHDNS300113SP4 3" (75 mm) ★ 1.113" (2.8 mm) #2PH/#2SQ 4,000 48

For use with all types of wood decking, ACQ treated lumber, and all other treated lumber. ★ IAPMO #0133

PT2000®, PPG1500™, or Stainless Steel Combo Trim Head

Part Number	Length	Diameter	Head	Color	#/Case	Case/ Skid
PTHDNS214113TH	21/4" (57 mm)	.113" (2.8 mm)	T-15	PT2000®	1,000	100
PTHDNS214113THB	21/4" (57 mm)	.113" (2.8 mm)	T-15	Brown	1,000	100
PTHDNS214113THC	21/4" (57 mm)	.113" (2.8 mm)	T-15	Cedar	1,000	100
PTHDNS214113THG	21/4" (57 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100
PTHDNS214113THT	21/4" (57 mm)	.113" (2.8 mm)	T-15	Tan	1,000	100
PTHDNS300113TH	3" (75 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100 -
SS HDNS300120TH	3" (75 mm)	.120" (3 mm)	T-15	305 SS	1,000	100



305 Stainless Steel Robertson® Square Drive Flat Head

Part Number	Length	Diameter	Head	#/Case	Cases/Skid
SSHDNS212120SQ	2½" (65 mm)	.120" (3 mm)	#2 SQ	1,000	100
SSHDNS300120SQ	3" (75 mm)	.120" (3 mm)	#2 SQ	1,000	100



Stainless Steel is for use near salt water or brackish water and wood decking.

Application: Decks/Docks

Composite



20/22° BNS Plastic Strip

PT2000[®], PPG1500[™], or Stainless Steel Combo Trim Head (PT2000

Part Number	Length	Diameter	Head	Color	#/Case	Cases/ Skid
PTHDNS214113TH	21/4" (32 mm)	.113" (2.8 mm)	T-15	PT2000®	1,000	100
PTHDNS214113THB	21/4" (32 mm)	.113" (2.8 mm)	T-15	Brown	1,000	100
PTHDNS214113THC	21/4" (32 mm)	.113" (2.8 mm)	T-15	Cedar	1,000	100
PTHDNS214113THG	21/4" (32 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100
PTHDNS214113THT	21/4" (32 mm)	.113" (2.8 mm)	T-15	Tan	1,000	100
PTHDNS300113TH	3" (75 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100
SS HDNS300120TH	3" (75 mm)	.120" (3 mm)	T-15	305 SS	1,000	100



For use with many types of composite decking, ACQ and other treated lumber, and hard and soft exotic lumbers.

2¼", 2½" and 3" are our most popular sizes for Decks/Docks of all kinds. 2¼" is best for 5/4" thick decking. 3" is best for 1½" thick decking.

2¼" x .113" Pull-out Resistance into Southern Yellow Pine averaged **533.27 lbs. per BNS

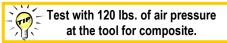
Decking Example: Installing a 12' Deck Board on 16" centered joist with 2 BNS per joist: 533 lbs. x 20 BNS = 10,660 lbs. of Pull-out Resistance on this one 12' Board.

A 12' long x 5.5" board is 5.5 sq. ft. 10,660/5.5 sq. ft. = 1,938 lb./sq. ft. Using a safety factor of 3, the stated capacity would be 646 lb./sq. ft.

**3rd Party Test Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews (BNS)

Head Pull Through of 2¼" x .120" in 3rd party testing averaged 581.4 lbs. VS a 16D Galvanized Casing Head Nail average of 199 lbs. Reference: 2008 Wood Materials and Engineering Laboratory by Washington State University Direct Pull Through testing ASTM D1037-99





PPG1500™ Coated with Color Combo Head Cases/ Part Number Length Diameter Head Color #/Case Skid PTHDNS214CSQB | 21/4" (32 mm) **>>** .120" (3 mm) #2 SQ Brown 1,000 100 PTHDNS214CSQC | 21/4" (32 mm) **>>** #2 SQ .120" (3 mm) Cedar 1.000 100 PTHDNS214CSQG | 21/4" (32 mm) **V7** .120" (3 mm) #2 SQ Gray 1,000 100 PTHDNS214CSQT | 21/4" (32 mm) **>>** #2 SQ .120" (3 mm) Tan 1.000 100 Brown Cedar Gray PTHDNS212CSQ #2 SQ Gold 1.000 100 2½" (65 mm) .120" (3 mm)

For use with ACQ treated lumber and most types of wood decking. Special order colors available on request.

VI Virginia Tech Multiple Use Classified

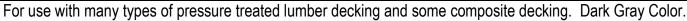


PT2000

15° BNS Wire Coil

PT2000[®] Combo Head – Fully Vinyl Coated

Part Number	Length	Diameter	Head	#/Case	Cases/Skid
PTWCNS214CSQ	21/4" (32 mm) v	.120" (3 mm)	#2 SQ	800	96



VV Virginia Tech Multiple Use Classified

Test with 110 lbs. of air pressure at the tool for pressure treated lumber.

PT2000 [®] Flat Head – Dark Gray * UER-0133									
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	IAP MO ES ®			
PTWCNS134113SQ	1¾" (44 mm)	.113" (2.8 mm)	#2 SQ	800	96				
PTWCNS200113SQ	2" (50 mm)	.113" (2.8 mm)	#2 SQ	800	96				
PTWCNS212113SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	800	96				
PTWCNS300113SQ	3" (75 mm) ★	.113" (2.8 mm)	#2 SQ	800	96	Combo Drive™ #2 SQ & #2 PH			
PTWCNS300113SP	3" (75 mm) ★	.113" (2.8 mm)	#2PH/#2SQ	800	96	The second second			

For use with many types of wood decking including ACQ and all other treated lumber. ★ IAPMO #0133

Part Number	Length	Diameter	Head	#/Case	Cases/Skid		
SS WCNS300120TH	3" (75 mm)	.120" (3 mm)	T-15	800	96		

Use Stainless Steel when within one mile of salt or brackish water, wood decking, and softer composites during warm weather. Stainless Steel should NOT be used for framing.







Quit Screwin' Around; Go Ballistic! The Company of the Company of

Application: Decks/Docks/Trim

Composite



PT200

15° BNS Wire Coil

PT2000® Combo Head – Fully Vinyl Coated





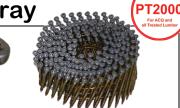
For use with many types of pressure treated lumber decking and some composite decking. Dark Gray Color.

VV Virginia Tech Multiple Use Classified

Test with 120 lbs. of air pressure at the tool for composite.

PT2000[®] Combo Trim Head – Dark Gray

Part Number	Length	Diameter	Head	#/Case	Cases/Skid
PTWCNS214113TH	21/4" (32 mm)	.113" (2.8 mm)	T-15	800	96



For use with many types of composite decking, wood decking, ACQ treated lumber, and some hard or soft exotic lumber.



NSDCN75

"In five years, my company has used 18 pallets of UFO's Ballistic NailScrews® to install approximately 409,090 Square feet of Trex Composite decking, stairs, and trim. To give you an idea about size, a football field is only 45,000 square feet; so we have installed enough decking to cover 9.09 football fields using UFO Ballistic NailScrews[®]. Man, what a great time savings product! We could have only done half this much decking using any other type of collated screws on the market." Rich Steptoe.

Trex® Decking Platinum Installer



PT2000 [®] Combo Trim Head – White Head								
Part Number	Length	Diameter	Head	#/Case	Cases/Skid			
PTWCNS214113THW	21/4" (32 mm)	.113" (2.8 mm)	T-15	800	96	mn mm am	m	

For use with many types of composite or wood trim. White powder coated and paintable.

	n Head						
Part Number	Length	Diameter	Head	#/Case	Cases/Skid		
SS WCNS300120TH	3" (75 mm)	.120" (3 mm)	T-15	800	96		

For use when within one mile of salt or brackish water, wood decking, and softer composites during warm weather. Stainless Steel should NOT be used for framing.

Application: Decks/Docks

Steel Frame



15° BNS Plastic Sheet Coil

	P	PG1500	тм Сс	mbo	Trim	Head	
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	
HSNS112113THC	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	Could by
HSNS112113THT	1½" (38 mm)	.113" (2.8 mm)	T-15	Tan/ Earth Tone	1,600	80	

For use when attaching decking (composite or wood) to Trex[®] Elevations[™] and other metal joists (12-16 gauges). Color matching can be done on larger, special orders.



AERT 2008 Testing 1½" x .113" Plastic Sheet Coil Shot Through ½" MoistureShield® Fence Picket into 1½" x 16 ga. Allied Tube Galvanized Black Powder Coated Square Tubing averaged a maximum load of 556.25 lbs.



For the best pull-out resistance, only allow three to five threads of the NailScrew® through the metal substrate.



	D.D.						
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	
HSNS112113PHG	1½" (38 mm)	.113" (2.8 mm)	#2 PH	Gray	1,600	80	
HSNS112113T15C	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	s innimitation

For use with Wood to Steel applications.

Interior Use or Weatherproof Applications

	Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	#/Case	Cases/Skid					
HSNS114113YZPH	1¼" (32 mm)	.113" (2.8 mm)	#2 PH	3,600	56					
HSNS114113YZSP	1¼" (32 mm)	.113" (2.8 mm)	#1 PH/#1 SQ	3,600	56	Market of Latalahalaharan				
HSNS112113YZPH	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	#2 PH Combo				
HSNS112113YZSP	1½" (38 mm)	.113" (2.8 mm)	#1 PH/#1 SQ	3,600	56	#1 PH #1 SQ				

Good for Metal Applications (12-16 gauges). Yellow zinc is for interior or weatherproof applications.



NSDCN75

15° BNS Wire Coil

Yellow Zinc Coated – Flat Head

	1 011		Jours		166116
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid
WCNS134113YZPH	1¾" (44 mm)	.113" (2.8 mm)	#2 PH	3,600	56
WCNS134113YZSP	1¾" (44 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	3,600	56
WCNS200113YZSQ	2" (50 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2 SP	3,600	56
WCNS214113YZPH	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2 PH	3,600	56
WCNS214113YZSQ	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2 SQ	3,600	56
WCNS214113YZSP	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS212113YZPH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	3,600	56
WCNS212113YZSQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	3,600	56
WCNS212113YZSP	2½" (65 mm)★	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS300113YZSP	3" (75 mm) ★ ∨ ✓	.113" (2.8 mm)	#2SQ/#2PH	3,600	48
WCNS300120YZSQ	3" (75 mm) 🕶	.120" (3 mm)	#2 SQ	3,600	48
WCNS300120YZSP	3" (75 mm) 🕶	.120" (3 mm)	#2SQ/#2PH	3,600	48
WCNS312131YZSQ	3½" (90 mm) V	.131" (3.3 mm)	#2 SQ	3,600	48
WCNS312131YZSP	3½" (90 mm) 🕶	.131" (3.3 mm)	#2SQ/#2PH	3,600	48



Great for Southern Yellow Pine applications! Harder Woods like Oak, Ash, etc. will increase Pull-Out Resistance of Ballistic NailScrews® dramatically. ★ IAPMO #0133 ▼▼ Virginia Tech Multiple Use Classified

High L	High Load Wire Coil Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	# / Coil	# / Case	Cases/ Skid	UER-0133			
WCNS200113YZSQH°	2" (50 mm)	.113" (2.8 mm)	#2 SQ	900	3,600	56	ES ®			
WCNS214113YZSQ H	21⁄₄" (57 mm) ★ ▼ ▼	.113" (2.8 mm)	#2 SQ	900	3,600	56				
WCNS212113YZSQ H	2½" (65 mm) *	.113" (2.8 mm)	#2 SQ	900	3,600	56				

Special tools for mounting SUPER FAST! Any head insert, coating, or diameter can be special ordered given enough time and quantity. ★ IAPMO #0133 V/ Virginia Tech Multiple Use Classified Special Order Item Only

1¾", 2", 2½", 3", and 3½" are our most popular sizes for Crates, Pallets, and Concrete Forms. "Green," Earth Friendly applications for Ballistic NailScrews® are always welcome! Folks love to take out the NailScrews® and reuse the materials for other projects, even housing in some countries. For best results, unscrew the BNS slowly.

Be sure to use a large enough BNS to hold the weight of the crated items, we make $3\frac{1}{2}$ " x .131" for the big stuff.

21/4" x .113" Pull-out Resistance into Southern Yellow Pine averaged **525 lbs. per BNS and the shear value** was 1,218 lbs.

Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews® (BNS)





15° BNS Plastic Sheet Coil

	Yellow Zinc Coated – Flat Head											
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	30(e) (SE)						
HSNS114113YZPH	11/4" (32 mm)	.113" (2.8 mm)	#2 PH	3,600	56							
HSNS114113YZSP	11/4" (32 mm)	.113" (2.8 mm)	#1PH/#1SQ	3,600	56	THE ELISE BOOM						
HSNS112113YZPH	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	Company of the state of the sta						
HSNS112113YZSP	1½" (38 mm)	.113" (2.8 mm)	#1 PH/#1SQ	3,600	56	#2 PH #1 PH & #1 SQ						
HSNS112YZPH BP	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	Blunt Point Special Design to use when splitting is an issue.						

Plastic Sheet Coil 15° for **Crate tops** (unscrewing the top and reusing the materials is the **Greener**, **Environmentally Friendly** approach to crating) and is also good for Metal Applications (12-16 gauges).







Our NSDCN75 Tool drives both plastic sheet coil and wire coil collations from 1½" to 3".

Quit Screwin' Around; Go Ballistic!™

1¾", 2", 2¼", 3", and 3½" are our most popular sizes for Crates, Pallets, and Concrete Forms. "Green," Earth Friendly applications for Ballistic NailScrews® are always welcome! Folks love to take out the NailScrews® and reuse the materials for other projects, even housing in some countries. *For best results, unscrew the BNS slowly.*

Be sure to use a large enough BNS to hold the weight of the crated items, we make 3½" x .131" for the big stuff.

21/4" x .113" Pull-out Resistance into Southern Yellow Pine averaged **525 lbs. per BNS and the shear value was 1,218 lbs.**

Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews® (BNS)



30/34° BNS Plastic Strip

	Yellow Zinc Coated – Flat Head										
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	Combo Drive ¹ #2 SQ & #2 PH					
PSNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192						
PSNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192						
PSNS214113YZSP	21⁄₄" (57 mm) ★ ▼ ▼	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	200000000000000000000000000000000000000					
PSNS212113YZSP	2½" (65 mm) *	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	MARTINIAN					
PSNS300113YZSP	3" (75 mm) ★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	CONTRACTOR					



Use a paper tape strip nailer to install these Ballistic NailScrews[®]. ★ IAPMO #0133

VV Virginia Tech Multiple Use Classified











3" x .113" Pull-out Resistance into Douglas Fir averaged **573 lbs. per BNS and the shear value was 1,289 lbs.**

2½" x .120" Pull-out Resistance into Southern Yellow Pine averaged **709 lbs. per BNS and the shear value** was 1,516 lbs.

Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews® (BNS)



20/22° BNS Plastic Strip

	Yello	w Zinc	Coated	l – Fla	t Hea	d
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	★ UER-0133
HDNS134120YZSQ	13/4" (44 mm)	.120" (3 mm)	#2 SQ	2,000	100	IAPMO
HDNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	2,000	100	ES
HDNS200131YZSQ	2" (50 mm)	.131" (3.3 mm)	#2 SQ	2,000	100	®
HDNS200113YZSP4	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	4,000	48	
HDNS214113YZPH	21⁄₄" (57 mm) ★ ∨√	.113" (2.8 mm)	#2 PH	1,500	100	
HDNS214113YZSQ	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2 SQ	1,500	100	
HDNS214113YZSP	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	#2 SQ #2 PH Combo Drive™
HDNS214113YZPH	21⁄₄" (57 mm) ★ ∨ ▼	.113" (2.8 mm)	#2 PH	1,000	192	#2 SQ #2 PH Collido Dilve *** #2 SQ & #2 PH
HDNS212113YZSP	2½" (65 mm) ★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	
HDNS212120YZPH	2½" (65 mm)	.120" (3 mm)	#2 PH	1,500	100	
HDNS212120YZSQ	2½" (65 mm)	.120" (3 mm)	#2 SQ	1,500	100	***************************************
HDNS300113YZPH	3" (75 mm) ★	.113" (2.8 mm)	#2 PH	1,000	100	
HDNS314120YZPH	31/4" (82 mm)	.120" (3 mm)	#2 PH	1,000	100	
HDNS312131YZSP	3½" (90 mm)	.131" (3.3 mm)	#2PH/#2SQ			
HDNS400148YZSP	4" (100 mm)	.148" (3.8 mm)	#2PH/#2SQ			
HDNS412148YZSP	4½" (115 mm)	.148" (3.8 mm)	#2PH/#2SQ			
HDNS500148YZSP	5" (125 mm)	.148" (3.8 mm)	#2PH/#2SQ			TANAMAN AND AND AND AND AND AND AND AND AND A
HDNS512148YZSP	5½" (140 mm)	.148" (3.8 mm)	#2PH/#2SQ			
HDNS600162YZSP	6" (150 mm)	.162" (4 mm)	#2PH/#2SQ			iloro I lood for orotoo polleto and

Flat Head NailScrews® YZ coated in Plastic Strip 20° for use with most Framing Nailers. Used for crates, pallets, and concrete forms, BNS reduces the damage to materials and is a **Greener, Environmentally Friendly** Approach, allowing materials to be reused. Be sure to consider the weight of the items to be crated and use large enough BNS. Harder Woods like Oak, Ash, etc. will increase Pull-Out Resistance of Ballistic NailScrews® dramatically. Please call if you have questions. ★ IAPMO #0133 Virginia Tech Multiple Use Classified

3" x .113" Pull-out Resistance into Douglas Fir averaged **573 lbs. per BNS and the shear value was 1.289 lbs.**

2½" x .120" Pull-out Resistance into Southern Yellow Pine averaged **709 lbs. per BNS and the shear value was 1,516 lbs.**

Reference: 2006 ICC ES Approved Testing Lab Intertek Report

#3100366-001 for

Ballistic NailScrews® (BNS)



Application: Concrete Forms



15° BNS Wire Coil

	Yell	low Zinc	Coated	l – Fl	at He	ad
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	*
WCNS134113YZPH	13/4" (44 mm)	.113" (2.8 mm)	#2 PH	3,600	56	
WCNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#2PH/#1SQ	3,600	56	`
WCNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	3,600	56	
WCNS200113YZSQ	2" (50 mm)	.113" (2.8 mm)	#2 SQ	3,600	56	
WCNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#1SQ	3,600	56	
WCNS214113YZPH	21⁄₄" (57 mm) ★ ∨√	.113" (2.8 mm)	#2 PH	3,600	56	
WCNS214113YZSQ	21⁄₄" (57 mm) ★ ∨√	.113" (2.8 mm)	#2 SQ	3,600	56	
WCNS214113YZSP	21⁄₄" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2PH/#1SQ	3,600	56	
WCNS212113YZPH	2½" (65 mm) ★	.113" (2.8 mm)	#2 PH	3,600	56	
WCNS212113YZSQ	2½" (65 mm) ★	.113" (2.8 mm)	#2 SQ	3,600	56	
WCNS212113YZSP	2½" (65 mm) ★	.113" (2.8 mm)	#2PH/#1SQ	3,600	56	
WCNS300113YZSP	3" (75 mm)	113" (2.8 mm)	#2PH/#1SQ	3,600	48	
WCNS300120YZSQ	3" (75 mm) 🕶	.120" (3 mm)	#2 SQ	3,600	48	
WCNS300120YZSP	3" (75 mm) 🕶	.120" (3 mm)	#2PH/#2SQ	3,600	48	
WCNS312131YZSQ	3½" (90 mm) y	.131" (3.3 mm)	#2 SQ	3,600	48	
WCNS312131YZSP	3½" (90 mm) v	.131" (3.3 mm)	#2PH/#2SQ	3,600	48	



Harder Woods like Oak, Ash, etc. will increase Pull-Out Resistance of Ballistic NailScrews[®] dramatically. ★ IAPMO #0133 ▼ Virginia Tech Multiple Use Classified









15° BNS Plastic Sheet Coil

	Yellow Zinc Coated – Flat Head											
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	and the second						
HSNS114113YZPH	11/4" (32 mm)	.113" (2.8 mm)	#2 PH	3,600	56							
HSNS114113YZSP	11/4" (32 mm)	.113" (2.8 mm)	#1 PH/#1SQ	3,600	56	THE COLLEGE						
HSNS112113YZPH	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	A Later Challeline .						
HSNS112113YZSP	1½" (38 mm)	.113" (2.8 mm)	#1 PH/#1SQ	3,600	56	#2 PH #1 PH & #1 SQ						
HSNS112YZPH BP	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	Blunt Point Special Design to use when splitting is an issue.						

Leaves concrete smoother, especially when you use caps.

Application: Concrete Forms



20/22° BNS Plastic Strip

	Yellov	w Zinc C	Coated	- Flat	Head			
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	*	UER-0	
HDNS134120YZSQ	1¾" (44 mm)	.120" (3 mm)	#2 SQ	2,000	100		IAPN	
HDNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	2,000	100		ES	10)
HDNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192			®
HDNS200131YZSQ	2" (50 mm)	.131" (3.3 mm)	#2 SQ	2,000	100			
HDNS214113YZPH	21⁄₄" (57 mm) ★ ∨7	.113" (2.8 mm)	#2 PH	1,500	100			
HDNS214113YZSQ	21⁄₄" (57 mm) ★ V ✓	.113" (2.8 mm)	#2 SQ	1,500	100			
HDNS214113YZPH	2¼" (57 mm) ★ ▼ ▼	.113" (2.8 mm)	#2 PH	1,000	192			
HDNS214113YZSP	21⁄₄" (57 mm) ★ V ✓	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	#2 SQ	#2 PH	Combo Drive™
HDNS212113YZSP	2½" (65 mm) 🛨	.113" (2.8 mm)	#2PH/#2SQ	1,000	192			#2 SQ & #2 PH
HDNS212120YZPH	2½" (65 mm)	.120" (3 mm)	#2 PH	1,500	100			
HDNS212120YZSQ	2½" (65 mm)	.120" (3 mm)	#2 SQ	1,500	100	70-70-70-70-70-70	- Pa- Pa- Pa- Pa- Pa- Pa- Pa-	-
HDNS300113YZPH	3" (75 mm) ★	.113" (2.8 mm)	#2 PH	1,000	100			
HDNS314120YZPH	31/4" (82 mm)	.120" (3 mm)	#2 PH	1,000	100	nnnn	nnnn	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
HDNS312131YZSP	3½" (90 mm)	.131" (3.3 mm)	#2PH/#2SQ			////////		
HDNS400148YZSP	4" (100 mm)	.148" (3.8 mm)	#2PH/#2SQ					
HDNS412148YZSP	4½" (115 mm)	.148" (3.8 mm)	#2PH/#2SQ					
HDNS500148YZSP	5" (125 mm)	.148" (3.8 mm)	#2PH/#2SQ				=100000000	
HDNS512148YZSP	5½" (140 mm)	.148" (3.8 mm)	#2PH/#2SQ					
HDNS600162YZSP	6" (150 mm)	.162" (4 mm)	#2PH/#2SQ					

Flat Head NailScrews® YZ coated in Plastic Strip 20° for most Framing Nailers. Used for concrete forms, BNS reduces the damage to materials and is a **Greener**, **Environmentally Friendly** Approach, allowing materials to be reused. Harder Woods like Oak, Ash, etc. will increase Pull-Out Resistance of Ballistic NailScrews® dramatically. Please call or e-mail if you have questions. ★ IAPMO #0133 **V** Virginia Tech Multiple Use Classified



© 2015 Universal Fastener Outsourcing, LLC

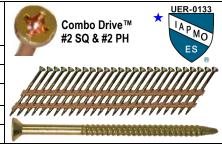
Page 27

Application: Concrete Forms



30/34° BNS Plastic Strip

	Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid					
PSNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192					
PSNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	ļ				
PSNS214113YZSP	21⁄₄" (57 mm) ★ V ✓	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	!				



Use a paper tape strip nailer to install these Ballistic NailScrews®. Used for concrete forms, BNS reduces the damage to materials and is a Greener, Environmentally Friendly Approach, allowing materials to be reused. Harder Woods like Oak, Ash, etc. will increase Pull-Out Resistance of Ballistic NailScrews® dramatically.

.113" (2.8 mm) #2PH/#2SQ

.113" (2.8 mm) | #2PH/#2SQ

1,000 1,000 192

192

★ IAPMO #0133 VT Virginia Tech Multiple Use Classified

2½" (65 mm) *

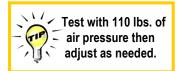
3" (75 mm) *



PSNS212113YZSP

PSNS300113YZSP











Use with caps to leave the concrete smooth.



Application: Doorsills/Windowsills



Mini BNS Plastic Sheet Coil

Yellow Zinc Coated—Flat Head

0 Degree										
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid					
MC0D3472T10YZ	3/4" (19 mm)	.072" (1.8 mm)	T10 Star	2,700	120					
MC0D10083T10YZ°	1" (25 mm)	.083" (2.1 mm)	T10 Star	2,700	120					
MC0D11483T10YZ°	1¼" (32 mm)	.083" (2.1 mm)	T10 Star	2,700	120					

15 Degree

Part Number	Length	Diameter	Head	# / Case	Cases/ Skid
MC15D3472T10YZ	3/4" (19 mm)	.072" (1.8 mm)	T10 Star	2,700	120
MC15D10083T10YZ°	1" (25 mm)	.083" (2.1 mm)	T10 Star	2,700	120
MC15D11483T10YZ°	1¼" (32 mm)	.083" (2.1 mm)	T10 Star	2,700	120

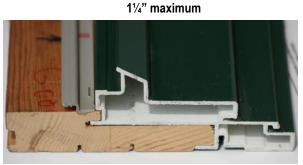


150 BNS per coil

PPG1500™ coated and Stainless Steel are also available by special order. Other sizes may also be special ordered to meet the needs of your project. ❖Special Order Item Only







Door Frame Sill



Just align the nose piece, and pull the trigger for a quick, easy installation.



Adjustable nose allows for precise placement.

Application: Fencing



15° BNS Plastic Sheet Coil

	PPG1500™ Combo Trim Head										
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	*				
HSNS112113THC	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	Coated By	The same of the sa			
HSNS112113THT	1½" (38 mm)	.113" (2.8 mm)	T-15	Tan/ Earth Tone	1,600	80					

For use with AERT LifeCycle®, composite, and wood fencing. Also for use with Steel applications (12-16 gauges).

PPG1500™ Flat Head								
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid		
HSNS112113PHG	1½" (38 mm)	.113" (2.8 mm)	#2 PH	Gray	1,600	80		
HSNS112113T15C	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80		

For use with Wood fencing, Fiber-Cement Board, DragonBoard®, Steel applications (12-16 gauges), etc.





Cedar and Redwood contain tannin and can cause streaking, even when stainless steel is used.





NSDCN65S

AERT 2008 Testing 1½"x.113 Plastic Sheet Coil Shot Through ½" MoistureShield® Fence Picket into 1½"x16 ga. Allied Tube Galvanized Black Powder Coated Square Tubing averaged a maximum load of 556.25 lbs.



Application: Fencing



15° BNS Wire Coil

	PT2	000® Fla	t Head -	- Daı	rk Gra	y ★UER-0133
Part Number	Length	Diameter	Head	#/ Case	Cases/ Skid	IAP MO ES
PTWCNS134113SQ	1¾" (44 mm)	.113" (2.8 mm)	#2 SQ	800	96	
PTWCNS200113SQ	2" (50 mm)	.113" (2.8 mm)	#2 SQ	800	96	
PTWCNS212113SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	800	96	
PTWCNS300113SQ	3" (75 mm) 🛨	.113" (2.8 mm)	#2 SQ	800	96	Combo Drive™ #2 SQ & #2 PH
PTWCNS300113SP	3" (75 mm) *	.113" (2.8 mm)	#2PH/#2SQ	800	96	Tuniqui Municipalitati

For use with many types of wood including ACQ and all other treated lumber and steel (12-16 gauges). BNS Large Heads are for use in framing nailers only. ★ IAPMO #0133

	PT2000®	Combo	Hea	ıd – Fı	ılly Vinyl	Coated	PT2000 For ACQ and all Treated Lumber
Part Number	Length	Diameter	Head	#/Case	Cases/Skid		
PTWCNS214CSQ	21/4" (57 mm) V	.120 (3 mm)	#2 SQ	800	96	Address to the	

For use with many types of pressure treated lumber and wood or composite fencing. Dark Gray Color.

Virginia Tech Multiple Use Classified

	PT200	0 [®] Comb	o Tr	im He	ad – Dar	k Gray	PT2000° For ACQ and all Treated Lumber
Part Number	Length	Diameter	Head	#/Case	Cases/Skid		
PTWCNS214113TH	2¼" (57 mm)	.113" (2.8 mm)	T-15	800	96		

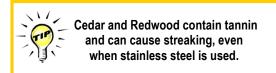
For use with most types of composite, wood, ACQ treated lumber, hard and soft exotic lumber, and steel (12-16 gauges). BNS smaller Trim Head is for use in framing or siding nailers.

F	PT2000	® Combo	Trir	n Hea	d – White	e Head PT2000 For ACQ and all Treated Lumber PT40000
Part Number	Length	Diameter	Head	#/Case	Cases/Skid	
PTWCNS214113THW	21/4"(57 mm)	.113" (2.8 mm)	T-15	800	96	min minim

For use with most types of composite, wood, or steel (12-16 gauges).



Quit Screwin' Around; Go Ballistic!™





Drives up to a 3" BNS.

Application: Fencing

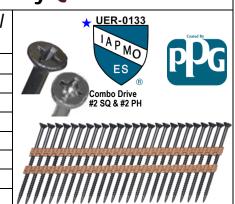


NSD9021

20/22° BNS Plastic Strip



Part Number	Length	Diameter	Head	#/Case	Cases/ Skid
PTHDNS134113PH	1¾" (44 mm)	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS200113PH	2" (50 mm)	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS212113PH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS212113SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	1,000	100
PTHDNS212113SP	2½" (65 mm)★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192
PTHDNS300113PH	3" (75 mm) *	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS300113SQ	3" (75 mm) 🛨	.113" (2.8 mm)	#2 SQ	1,000	100
PTHDNS300113SP	3" (75 mm) *	.113" (2.8 mm)	#2PH/#2SQ	1,000	192
F	A	001		l 1 1	.1.1 1



For use with all types of wood, ACQ treated lumber, and all other treated lumber and steel (12-16 gauges).

[★] IAPMO #0133

PT2000	®, PPG1	500™, or	Stai	nless	Steel	Com	bo Trim Head PT2000
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	Castel by
PTHDNS214113TH	21/4" (57 mm)	.113" (2.8 mm)	T-15	PT2000®	1,000	100	PPG
PTHDNS214113THB	21/4" (57 mm)	.113" (2.8 mm)	T-15	Brown	1,000	100	
PTHDNS214113THC	21/4" (57 mm)	.113" (2.8 mm)	T-15	Cedar	1,000	100	(Increase of the second of th
PTHDNS214113THG	21/4" (57 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100	11111111111111111111111111111111111111
PTHDNS214113THT	21/4" (57 mm)	.113" (2.8 mm)	T-15	Tan	1,000	100	
PTHDNS300113TH	3" (75 mm)	.113" (2.8 mm)	T-15	Gray	1,000	100	
SS HDNS300120TH	3" (75 mm)	.120 (3 mm)	T-15	305 SS	1,000	100	

Gray Brown Tan Cedar

	PPG1500	™ Coat	ed w	ith C	olor C	ombo	Head PT2000
Part Number	Length	Diameter	Head	Color	#/Case	Cases/ Skid	PPG FOR AG and all Treated Lumber
PTHDNS214CSQB	21/4" (57 mm)	.120 (3 mm)	#2 SQ	Brown	1,000	100	
PTHDNS214CSQC	21/4" (57 mm)	.120 (3 mm)	#2 SQ	Cedar	1,000	100	
PTHDNS214CSQG	21/4" (57 mm)	.120 (3 mm)	#2 SQ	Gray	1,000	100	
PTHDNS214CSQT	21/4" (57 mm)	.120 (3 mm)	#2 SQ	Tan	1,000	100	
PTHDNS212CSQ	2½" (65 mm)	.120 (3 mm)	#2 SQ	Gold	1,000	100	

VI Virginia Tech Multiple Use Classified

Application: Fiber-Cement Siding

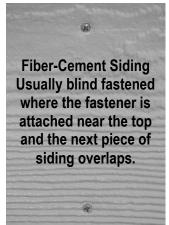


15° BNS Wire Coil

	PT2	000 [®] Flat	Head –	Dark	(Gray
Part Number	Length	Diameter	Head	#/ Case	Cases/ Skid
PTWCNS134113SQ	1¾" (44 mm)	.113" (2.8 mm)	#2 SQ	800	96
PTWCNS200113SQ	2" (50 mm)	.113" (2.8 mm)	#2 SQ	800	96
PTWCNS212113SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	800	96
PTWCNS300113SQ	3" (75 mm) 🛨	.113" (2.8 mm)	#2 SQ	800	96
PTWCNS300113SP	3" (75 mm) *	.113" (2.8 mm)	#2PH/#2SQ	800	96

For use with many types of wood including ACQ and all other treated lumber. Can also be used for light (12-16 gauges) steel applications. Works well with framing size tools. Perfect for steel studs and high wind areas. <u>Use the</u> 2½" where insulation is used between the siding and the framing materials.

★ IAPMO #0133















Test on scrap materials at 100-110 lbs. of pressure at the tool. A depth of drive adjustment on the tool will make this easy!

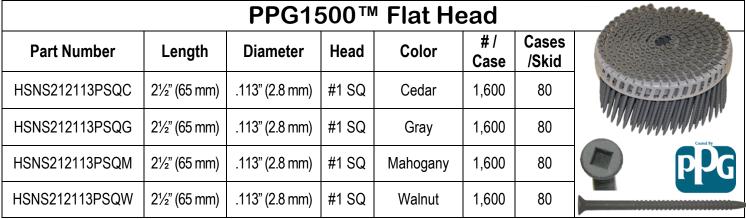
Application: Fiber-Cement Siding



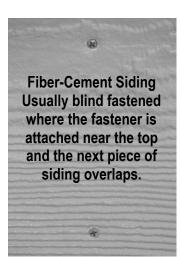
15° BNS Plastic Sheet Coil

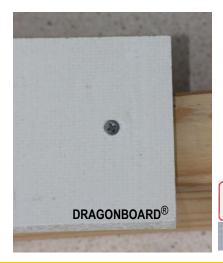
	Cuted by						
Part Number	Length	Diameter	Head	Color	# / Case	Cases / Skid	
HSNS112113PHG	1½" (38 mm)	.113" (2.8 mm)	#2 PH	Gray	1,600	80	Shimming miles
HSNS112113T15C	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	

For use on Fiber-Cement Board, DragonBoard® (Fire Proof Board), etc. Can be used in 12-16 gauge Steel applications.



Use the 2½" where insulation is used between the siding and the framing materials.









Test on scrap materials at 100-110 lbs. of pressure at the tool. A depth of drive adjustment on the tool will make this easy!

Application: Fiber-Cement Siding



20/22° BNS Plastic Strip

PPG1500™ Flat Head – Dark Gray									
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	VER-0133			
PTHDNS134113PH	1¾" (44 mm)	.113" (2.8 mm)	#2 PH	1,000	100	ES			
PTHDNS200113PH	2" (50 mm)	.113" (2.8 mm)	#2 PH	1,000	100	®			
PTHDNS212113PH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	1,000	100	Costed By			
PTHDNS212113 SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	1,000	100	Combo Drive™ #2 SQ & #2 PH			
PTHDNS212113SP	2½" (65 mm)★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192				
PTHDNS300113PH	3" (75 mm) *	.113" (2.8 mm)	#2 PH	1,000	100				
PTHDNS300113 SQ	3" (75 mm) *	.113" (2.8 mm)	#2 SQ	1,000	100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
PTHDNS300113SP	3" (75 mm) *	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	///////////////////////////////////////			

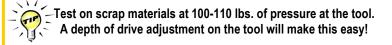
★ IAPMO #0133











Application: Fiberglass-Backed Gypsum Sheathing



15° BNS Plastic Sheet Coil

	ead					
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	MARKET SERVE
HSNS114113YZPH	11/4" (32 mm)	.113" (2.8 mm)	#2 PH	3,600	56	
HSNS114113YZSP	1¼" (32 mm)	.113" (2.8 mm)	#1PH/#1SQ	3,600	56	WALL TO THE WAY
HSNS112113YZPH	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	
HSNS112113YZSP	1½" (38 mm)	.113" (2.8 mm)	#1PH/#1SQ	3,600	56	#2 PH #1 PH & #1 SQ

Use Yellow Zinc coated Ballistic NailScrews® for interior applications where moisture is not present.

	Cotted by						
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	Acaraman min
HSNS112113PHG	1½" (38 mm)	.113" (2.8 mm)	#2 PH	Gray	1,600	80	
HSNS112113T15C	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	

Use PPG1500™ coated Ballistic NailScrews® where moisture may be present, treated lumber is used, and for

many exterior applications.



Test on scrap materials at 100-110 lbs. of pressure at the tool. A depth of drive tool adjustment will make this easy!







See pages 78-79 for compatible nailers.

NSDCN65SP

Application: Fiberglass-Backed Gypsum Sheathing

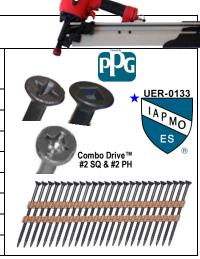


NSD9021

20/22° BNS Plastic Strip

PPG1500™ Flat Head – Gray

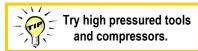
Part Number	Length	Diameter	Head	#/ Case	Cases / Skid
PTHDNS134113PH	1¾" (44 mm)	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS200113PH	2" (50 mm)	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS212113PH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS212113 SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	1,000	100
PTHDNS212113SP	2½" (65 mm)★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192
PTHDNS300113PH	3" (75 mm) 🛨	.113" (2.8 mm)	#2 PH	1,000	100
PTHDNS300113 SQ	3" (75 mm) 🛨	.113" (2.8 mm)	#2 SQ	1,000	100
PTHDNS300113SP	3" (75 mm) *	.113" (2.8 mm)	#2PH/#2SQ	1,000	192



For use with all types of wood, ACQ and all other treated lumber. For tough applications, consider using 120 lbs. of air pressure at the tool with 90 mm size framing nailers. ★ IAPMO #0133

Drive them in:

Screw them out!™



Over 75% Faster than Regular Screws Over 50% Faster than Collated Screws

Yellow Zinc Coated - Flat Head **UER-0133** Cases/ **Part Number** #/Case Length Diameter Head IAPMO Skid 1³/₄" (44 mm) HDNS134120YZSQ .120 (3 mm) #2 SQ 2.000 100 HDNS200113YZPH 2" (50 mm) .113" (2.8 mm) #2 PH 2.000 100 2,000 #2 SQ HDNS200131YZSQ 2" (50 mm) .131" (3.3 mm) 100 HDNS200113YZSP 2" (50 mm) .113" (2.8 mm) #2PH/#2SQ 192 1,000 HDNS214113YZPH .113" (2.8 mm) #2 PH 1,500 100 21/₄" (57 mm) ★ **V**7 HDNS214113YZSQ .113" (2.8 mm) #2 SQ 1.500 100 21/4" (57 mm) * V7 1,000 HDNS214113YZPH .113" (2.8 mm) #2 SQ 192 21/₄" (57 mm) ★ **V**7 #2 SQ #2 PH Combo Drive™ #2 PH 192 HDNS214113YZSP 2½" (57 mm) ★ **V**7 .113" (2.8 mm) 1,000 #2 SQ & #2 PH .113" (2.8 mm) #2PH/#2SQ HDNS212113YZSP 2½" (65 mm) * 1,000 192 HDNS212120YZPH 2½" (65 mm) .120 (3 mm) #2 PH 1,500 100 HDNS212120YZSQ 21/2" (65 mm) .120 (3 mm) #2 SQ 1,500 100 HDNS300113YZPH 3" (75 mm) * .113" (2.8 mm) #2 PH 1.000 100 HDNS314120YZPH 31/4" (82 mm) .120 (3 mm) #2 PH 1,000 100 31/2" (90 mm) .131" (3.3 mm) #2 SP HDNS312131YZSP HDNS400148YZSP 4" (100 mm) .148 (3.8 mm) #2 SP HDNS412148YZSP 4½" (115 mm) .148 (3.8 mm) #2 SP HDNS500148YZSP 5" (125 mm) .148 (3.8 mm) #2 SP #2 SP HDNS512148YZSP 5½" (140 mm) .148 (3.8 mm) HDNS600162YZSP 6" (150 mm) #2 SP .162 (4 mm)

Virginia Tech Multiple Use Classified

Application: Engineered Wood Products/ Multi-Ply Trusses



15° BNS Wire Coil

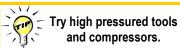
	PT2000 [®] Flat Head – Dark Gra									
Part Number	Length	Diameter	Head	#/	Cases/					
				Case	Skid					
PTWCNS134113SQ	1¾" (44 mm)	.113" (2.8 mm)	#2 SQ	800	96					
PTWCNS200113SQ	2" (50 mm)	.113" (2.8 mm)	#2 SQ	800	96					
PTWCNS212113SQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	800	96					
PTWCNS300113SQ	3" (75 mm) 🛨	.113" (2.8 mm)	#2 SQ	800	96					
PTWCNS300113SP	3" (75 mm) 🛨	.113" (2.8 mm)	#2PH/#2SQ	800	96					



For use with many types of wood including ACQ and all other treated lumber.

BNS larger heads are for use in

framing nailers only. ★ IAPMO #0133





	Yello	ow Zinc	Coate	d – F	lat He
Part Number	Length	Diameter	Head	#/ Cooo	Cases/ Skid
WCNS134113YZPH	1 ³ / ₄ " (44 mm)	.113" (2.8 mm)	#2 PH	Case 3,600	56
WCNS134113YZSP	1 ³ / ₄ " (44 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	3,600	56
WCNS200113YZSQ	2" (50 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2 SP	3,600	56
WCNS214113YZPH	21/₄" (57 mm) ★ **	.113" (2.8 mm)	#2 PH	3,600	56
WCNS214113YZSQ	21⁄₄" (57 mm)★ У	.113" (2.8 mm)	#2 SQ	3,600	56
WCNS214113YZSP	21/₄" (57 mm)★ ▼ ▼	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS212113YZPH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	3,600	56
WCNS212113YZSQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	3,600	56
WCNS212113YZSP	2½" (65 mm)★	.113" (2.8 mm)	#1SQ/#2PH	3,600	56
WCNS300113YZSP	3" (75 mm)★	.113" (2.8 mm)	#2SQ/#2PH	3,600	48
WCNS300120YZSQ	3" (75 mm) 🗸	.120" (3 mm)	#2 SQ	3,600	48
WCNS300120YZSP	3" (75 mm) 🕶	.120" (3 mm)	#2SQ/#2PH	3,600	48
WCNS312131YZSQ	3½" (90 mm) 🕶	.131" (3.3 mm)	#2 SQ	3,600	48
WCNS312131YZSP	3½" (90 mm) 🕶	.131" (3.3 mm)	#2SQ/#2PH	3,600	48



★ IAPMO #0133 VT Virginia Tech Multiple Use Classified



If using ACQ Treated Lumber, exterior coatings such as PT2000®, PPG1500™, or Stainless Steel are recommended. See the Cross Reference on pages 48-52 or the Fastener/Collation Matrix on page 46.



Application: Roof Decking



15° BNS Wire Coil

	Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	★UER-0133				
WCNS134113YZPH	1¾" (44 mm)	.113" (2.8 mm)	#2 PH	3,600	56	IAPMO)				
WCNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56	FS				
WCNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	3,600	56	® #2 SQ #2 PH				
WCNS200113YZSQ	2" (50 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56					
WCNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2 SP	3,600	56					
WCNS214113YZPH	21/₄" (57 mm) ★ У	.113" (2.8 mm)	#2 PH	3,600	56	Combo Drive™				
WCNS214113YZSQ	21/₄" (57 mm)★ У	.113" (2.8 mm)	#2 SQ	3,600	56	#1 SQ & #2 PH or #2 SQ & #2 PH				
WCNS214113YZSP	21/₄" (57 mm)★ У	.113" (2.8 mm)	#1SQ/#2PH	3,600	56	william.				
WCNS212113YZPH	2½" (65 mm)★	.113" (2.8 mm)	#2 PH	3,600	56	ALCOHOLD TO A STATE OF THE PARTY OF THE PART				
WCNS212113YZSQ	2½" (65 mm)★	.113" (2.8 mm)	#2 SQ	3,600	56	The second second				
WCNS212113YZSP	2½" (65 mm)★	.113" (2.8 mm)	#1SQ/#2PH	3,600	56					
WCNS300113YZSP	3" (75 mm)★	.113" (2.8 mm)	#2SQ/#2PH	3,600	48					
WCNS300120YZSQ	3" (75 mm) 🗸	.120" (3 mm)	#2 SQ	3,600	48					
WCNS300120YZSP	3" (75 mm) 🗸	.120" (3 mm)	#2SQ/#2PH	3,600	48	* * * * * * * * * * * * * * * * * * *				
WCNS312131YZSQ	3½" (90 mm) v	.131" (3.3 mm)	#2 SQ	3,600	48	4444444444444444				
WCNS312131YZSP	3½" (90 mm) v	.131" (3.3 mm)	#2SQ/#2PH	3,600	48					

We recommend 2¼" x .113" and 2½" x .113" Ballistic NailScrews® for roof decking. **BNS larger heads are for use** in framing nailers only. ★ IAPMO #0133 ▼▼ Virginia Tech Multiple Use Classified

If using ACQ Treated Lumber, exterior coatings such as PT2000®, PPG1500™, or Stainless Steel are recommended. See the Cross Reference on pages 48-52 or the Fastener/Collation Matrix on page 46.







Application: Roof Decking



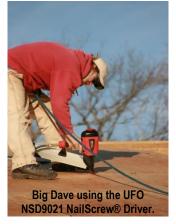
20/22° BNS Plastic Strip

	Yellow Zinc Coated – Flat Head								
Part Number	Length	Diameter	Head	#/ Case	Cases/ Skid	VER-0133			
HDNS134120YZSQ	13/4" (44 mm)	.120 (3 mm)	#2 SQ	2,000	100	ES			
HDNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	2,000	100	®			
HDNS200131YZSQ	2" (50 mm)	.131" (3.3 mm)	#2 SQ	2,000	100				
HDNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192				
HDNS214113YZPH	21⁄₄" (57 mm) ★ ∨ ▼	.113" (2.8 mm)	#2 PH	1,500	100				
HDNS214113YZSQ	21⁄₄" (57 mm) ★ V ▼	.113" (2.8 mm)	#2 SQ	1,500	100	#2 SQ #2 PH Combo Drive™ #2 SQ & #2 PH			
HDNS214113YZPH	21⁄₄" (57 mm) ★ V ▼	.113" (2.8 mm)	#2 SQ	1,000	192				
HDNS214113YZSP	21⁄₄" (57 mm) ★ ∨ ▼	.113" (2.8 mm)	#2 PH	1,000	192				
HDNS212113YZSP	2½" (65 mm) ★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	*********************			
HDNS212120YZPH	2½" (65 mm)	.120 (3 mm)	#2 PH	1,500	100				
HDNS212120YZSQ	2½" (65 mm)	.120 (3 mm)	#2 SQ	1,500	100				
HDNS300113YZPH	3" (75 mm) ★	.113" (2.8 mm)	#2 PH	1,000	100	- TANDADAMANANANANANANANANANANANANANANANANA			
HDNS314120YZPH	31/4" (82 mm)	.120 (3 mm)	#2 PH	1,000	100				

Flat Head NailScrews® YZ coated in Plastic Strip 20° for most Framing Nailers. We recommend 2¼" x .113" and 2½" x .120" Ballistic NailScrews® for roof decking. ★ IAPMO #0133 ▼▼ Virginia Tech Multiple Use Classified

If using ACQ Treated Lumber, exterior coatings such as PT2000®, PPG1500™, or Stainless Steel are recommended. See the Cross Reference on pages 48-52 or the Fastener/Collation Matrix on page 46.

If using a pneumatic tool, test with 110 lbs. of air pressure at the tool on OSB and plywood.





30/34° BNS Plastic Strip

						9 40 1001		
Yellow Zinc Coated – Flat Head								
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	Combo Drive™ #2 SQ & #2 PH WER-0133 IAPMO ES		
PSNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	ES ®		
PSNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192			
PSNS214113YZSP	21⁄₄" (57 mm) ★ ∨ ▼	.113" (2.8 mm)	#2PH/#2SQ	1,000	192			
PSNS212113YZSP	2½" (65 mm) *	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
PSNS300113YZSP	3" (75 mm) 🛨	113" (2.8 mm)	#2PH/#2SQ	1,000	192	- HALLEST HARMAN		

Use a paper tape strip nailer to install these Ballistic NailScrews[®]. ★ IAPMO #0133

VI Virginia Tech Multiple Use Classified

Application: Subflooring/Sheathing/Shear Walls



15° BNS Wire Coil

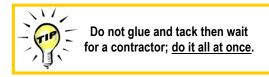
	Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	*UER-0133				
WCNS134113YZPH	13/4" (44 mm)	.113" (2.8 mm)	#2 PH	3,600	56	IAPMO S				
WCNS134113YZSP	13/4" (44 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56	ES				
WCNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	3,600	56	® #2 SQ #2 PH				
WCNS200113YZSQ	2" (50 mm)	.113" (2.8 mm)	#1SQ/#2PH	3,600	56					
WCNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2 SP	3,600	56					
WCNS214113YZPH	21⁄₄" (57 mm)★ У	.113" (2.8 mm)	#2 PH	3,600	56	Combo Drive™				
WCNS214113YZSQ	21⁄₄" (57 mm)★ У	.113" (2.8 mm)	#2 SQ	3,600	56	#1 SQ & #2 PH or				
WCNS214113YZSP	21/₄" (57 mm)★ ▼	.113" (2.8 mm)	#1SQ/#2PH	3,600	56	#2 SQ & #2 PH				
WCNS212113YZPH	2½" (65 mm) 🖈	.113" (2.8 mm)	#2 PH	3,600	56					
WCNS212113YZSQ	2½" (65 mm) 🖈	.113" (2.8 mm)	#2 SQ	3,600	56					
WCNS212113YZSP	2½" (65 mm) 🛨	.113" (2.8 mm)	#1SQ/#2PH	3,600	56	William States				
WCNS300113YZSP	3" (75 mm) 🛨	.113" (2.8 mm)	#2SQ/#2PH	3,600	48					
WCNS300120YZSQ	3" (75 mm) 🕶	.120" (3 mm)	#2 SQ	3,600	48					
WCNS300120YZSP	3" (75 mm) v	.120" (3 mm)	#2SQ/#2PH	3,600	48	and the state of t				
WCNS312131YZSQ	3½" (90 mm) V	.131" (3.3 mm)	#2 SQ	3,600	48					
WCNS312131YZSP	3½" (90 mm) 🗸	.131" (3.3 mm)	#2SQ/#2PH	3,600	48					

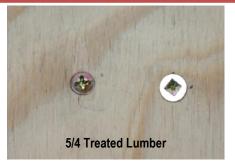
The 2¼" x .113" BNS is the #1 item for subfloor, shear walls, and sheathing! See IAPMO Report #0133. **BNS larger** heads are for use in framing nailers only. ★ IAPMO #0133 **V** Virginia Tech Multiple Use Classified

2½" is our most popular size with IAPMO Approval for Subfloor and Shear Walls of all kinds. We also have 2½" and 3" if you really want overkill. We get asked if the installer can skip the glue if they use Ballistic NailScrews®; the answer in NO—please don't skip the glue. The good news is the glue will not dry faster than you can drive the Ballistic NailScrews®. ©

21/4" x .113" Pull-out Resistance into Southern Yellow Pine averaged 525 lbs. per BNS Subfloor/Shear Wall Example: Installing a 4' x 8' sheet of OSB on 16" centered joist or stude should take 30-32 Ballistic NailScrews® per sheet to meet code in most USA locations.

Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews® (BNS)







Application: Subflooring/Sheathing/Shear Walls



20/22° BNS Plastic Strip

Yellow Zinc Coated – Flat Head								
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	UER-0133		
HDNS134120YZSQ	1¾" (44 mm)	.120 (3 mm)	#2 SQ	2,000	100			
HDNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	2,000	100	ES		
HDNS200131YZSQ	2" (50 mm)	.131" (3.3 mm)	#2 SQ	2,000	100	®		
HDNS200113YZSP	2" (50 mm)	.113" (2.8 mm)	#2PH/#2SQ	1,000	192			
HDNS214113YZPH	21⁄4" (57 mm) ★ V ▼	.113" (2.8 mm)	#2 PH	1,500	100			
HDNS214113YZSQ	2¼" (57 mm) ★ V	.113" (2.8 mm)	#2 SQ	1,500	100	#2 SQ #2 PH Combo Drive™		
HDNS214113YZPH	2¼" (57 mm) ★ ∨	.113" (2.8 mm)	#2 SQ	1,000	192	#2 SQ #2 FH #2 SQ & #2 PH		
HDNS214113YZSP	2¼" (57 mm) ★ ∨ ✓	.113" (2.8 mm)	#2 PH	1,000	192			
HDNS212113YZSP	2½" (65 mm) ★	.113" (2.8 mm)	#2PH/#2SQ	1,000	192	in i		
HDNS212120YZPH	2½" (65 mm)	.120 (3 mm)	#2 PH	1,500	100			
HDNS212120YZSQ	2½" (65 mm)	.120 (3 mm)	#2 SQ	1,500	100			
HDNS300113YZPH	3" (75 mm) ★	.113" (2.8 mm)	#2 PH	1,000	100			
HDNS314120YZPH	31/4" (82 mm)	.120 (3 mm)	#2 PH	1,000	100			
HDNS134120YZSQ	1¾" (44 mm)	.120 (3 mm)	#2 SQ	2,000	100	THE STATE OF THE S		
HDNS200113YZPH	2" (50 mm)	.113" (2.8 mm)	#2 PH	2,000	100			

Flat Head NailScrews® YZ coated in 20° Plastic Strip collation for most Framing Nailers. "Ballistic NailScrews® are permitted to be substituted for the same nailing patterns as 8d common nails (2½" (65 mm) x .131" [65 x 3.2 mm]) in ⁷/₁₆" and ¹⁵/₃₂" (50 mm) OSB horizontal diaphragms resisting wind or seismic loads referenced in tables: IBC 2006 Table 2306.3.1 and IRC 2006 Table R602.3(1)." (IAPMO ES #0133 4.1.1) Please call or e-mail if you have questions. ★ IAPMO #0133 **V** Virginia Tech Multiple Use Classified







21/4" is our most popular size with IAPMO Approval for Subfloor and Shear Walls of all kinds. We also have 21/2" and 3" if you really want overkill. We get asked if the installer can skip the glue if they use Ballistic NailScrews®; the answer in NO—please don't skip the glue. The good news is the glue will not dry faster than you can drive the Ballistic NailScrews®. 3

21/4" x .113" Pull-out Resistance into Southern Yellow Pine averaged 525 lbs. per BNS. Subfloor/Shear Wall Example: Installing a 4' x 8' sheet of OSB on 16" centered joist or stude should take 30-32 Ballistic NailScrews® per sheet to meet code in most USA locations.

Reference: 2006 ICC ES Approved Testing Lab Intertek Report #3100366-001 for Ballistic NailScrews® (BNS)

See pages 78-79 for compatible nailers.

Page 42

Application: Timber Framing/Bridge Building/Pole Barns



20/22° BNS Plastic Strip

PPG1500™ Flat Head - Gray								
Part Number	Length	Diameter	Head	#/	Cases/	Combo Drive™		
				Case	Skid	Combo Drive™		
PTHDNS312131SP°	3½" (90 mm)	.131" (3.3 mm)	#2PH/#2SQ	1,000	100	#2 SQ & #2 PH		
PTHDNS400148SP°	4" (100 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100			
PTHDNS412148SP°	4½" (115 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100	777777777777777777777777777777777777777		
PTHDNS500148SP°	5" (125 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100			

Any coating or stainless steel is available upon request. Special Order Item Only

Yellow Zinc Coated – Flat Head									
Part Number	Length	Diameter	Head	#/ Case	Cases/ Skid				
HDNS314120YZPH [☉]	3¼" (82 mm)	.120" (3 mm)	#2 PH	1,000	100	*******************************			
HDNS312131YZSP°	3½" (90 mm)	.131" (3.3 mm)	#2PH/#2SQ	1,000	100				
HDNS400148YZSP [♥]	4" (100 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100				
HDNS412148YZSP°	4½" (115 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100				
HDNS500148YZSP°	5" (125 mm)	.148 (3.8 mm)	#2PH/#2SQ	1,000	100	- AMDIMINATURE -			

Yellow Zinc should only be used in weatherproof and dry areas or temporary applications.

Special Order Item Only



Pictures courtesy of Bridge Builders USA, Inc.

Point Locator™

Our Multi Blow tool has Jackhammer action and is half the weight of other single shot tools.





See pages 78-79 for compatible nailers.

Application: Trailer Floors





UFO's Trailer Master™ Ballistic NailScrews®

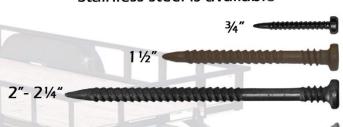
About NailScrews®:

- Quick installation with a Pneumatic Nailer cutting labor cost by at least 70%
- Holding Power of a Screw
- Can be removed, adjusted, or reused
- Heat treated and case hardened
- Require smaller diameters since there is only a slight turning motion during installation
- ¾" BNS are perfect for interior trailer paneling
- Ballistic point reduces splitting and easily penetrates steel
- Available in a variety of sizes & head inserts
- 200-225 BNS per Coil
- 25 BNS per strip

1½" and 2" are most popular. Other lengths are available. With steel, it is best to use the shortest possible length BNS. You only want three to five threads to pass through the metal substrate.

Coating Recommendations:

- For Treated Lumber use:
 - PT2000® coated NailScrews® (wire coil only)
 - PPG1500™ coated NailScrews® (strip or plastic sheet coil)
- For SYP (Southern Yellow Pine Standard Construction Grade) or other untreated wood use:
 - Yellow Zinc coated NailScrews® (strip, plastic sheet coil, and wire coil)
- Stainless steel is available



	Steel Thickness							
Gauge	Gauge In Inches In mm							
12	0.1094	2.780						
13	0.0938	2.380						
14	0.0781	1.980						
15	0.0703	1.790						
16	0.0625	1.590						

It all comes down to this simple equation:

More Profit Using

Hybrid® Fasteners

Production + Installation
Time

Application: Underlayment



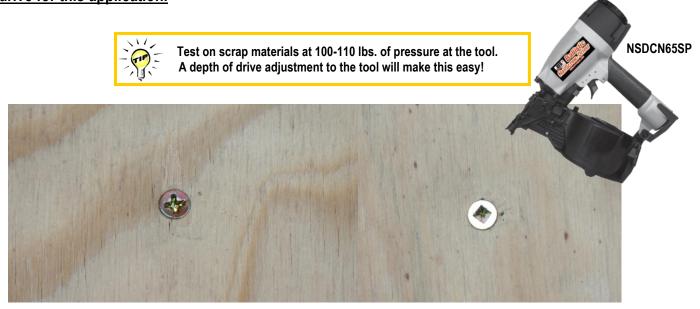
15° BNS Plastic Sheet Coil

	Yellow Zinc Coated – Flat Head								
Part Number	Length	Diameter	Head	# / Case	Cases/ Skid	name of the second			
HSNS114113YZPH	11/4" (32 mm)	.113" (2.8 mm)	#2 PH	3,600	56				
HSNS114113YZSP	11/4" (32 mm)	.113" (2.8 mm)	#1PH/#1SQ	3,600	56	THE COLUMN			
HSNS112113YZPH	1½" (38 mm)	.113" (2.8 mm)	#2 PH	3,600	56	Something the state of the stat			
HSNS112113YZSP	1½" (38 mm)	.113" (2.8 mm)	#1PH/#1SQ	3,600	56	#2 PH #1 PH & #1 SQ			

For use with wood underlayment or fiber-cement board to wood. Use yellow zinc coated Ballistic NailScrews® for interior applications where moisture is not present.

	Catally						
Part Number	Length	Diameter	Head	Color	# / Case	Cases/ Skid	
HSNS112113PHG	1½" (38 mm)	.113" (2.8 mm)	#2 PH	Gray	1,600	80	
HSNS112113T15C	1½" (38 mm)	.113" (2.8 mm)	T-15	Cedar	1,600	80	

Use PPG1500™ coated Ballistic NailScrews® where moisture may be present such as kitchens and bathrooms that require extra corrosion protection or treated lumber is used. <u>Make sure Ballistic NailScrews® are flush. Do not over drive for this application.</u>



Quit Screwin' Around; Go Ballistic! TM

Fastener/Collation Matrix



FASTENER	15° WIRE COIL	20°-22° PLASTIC STRIP	15° PLASTIC SHEET COIL	30°-34° PLASTIC STRIP	0° PLASTIC SHEET COIL
	INTER	RIOR USE			
Yellow Zinc Coated – Flat Head #2 Robertson® Square Head	2" (50 MM), 21/4" (57 MM), 21/2" (65 MM), 3" (75 MM), 31/2" (90 MM) [WCNS]	13/4" (44 MM), 2" (50 MM), 21/4" (57 MM), 21/2" (65 MM) [HDNS]			
Yellow Zinc Coated – Flat Head Phillips Head	13/4" (44 MM), 2" (50 MM), 21/4" (57 MM), 21/2" (65 MM) [WCNS]	2" (50 MM), 21/4" (57 MM), 21/2" (65 MM), 3" (75 MM), 31/4" (85 MM) [HDNS]	1½" (32 MM), 1½" (38 MM) [HSNS]	13/4" (44 MM), 2" (50 MM), 21/4" (57 MM), 21/2" (65 MM), 3" (75 MM), 31/4" (85 MM) [PSNS]	
Yellow Zinc Coated – Flat Head Combo Drive™ (SQ & PH) Head	2½" (57 MM), 3" (75 MM) [WCNS]	2½" (65 MM), 3" (75 MM) [HDNS]		2½" (57 MM), 3" (75 MM) [PSNS]	
Yellow Zinc Coated T-10 Star Drive Head			3/4" (19 MM), 1" (25 MM), 11/4" (32 MM) [MC15D]		3/4" (19 MM), 1" (25 MM), 11/4" (32 MM) [MC0D]

Fastener/Collation Matrix



FASTENER	15° WIRE COIL	20°-22° PLASTIC STRIP	15° PLASTIC SHEET COIL	30°-34° PLASTIC STRIP	34° Paper Strip
	EXTERI	OR USE			
PT2000® or PPG1500™ Combo Trim Head T-15 Star Drive	21/4" (57 MM) [PTWCNS]	2½" (57 MM), 3" (75 MM) [PTHDNS]	1½" (38 MM) [HSNS]		
PT2000® or PPG1500™ Flat Head #2 Robertson® Square Head	13/4" (44 MM), 2" (50 MM), 21/2" (65 MM), 3" (75 MM) [PTWCNS]	2½" (65 MM), 3" (75 MM), 3½" (90 MM), 4" (100 MM), 4½" (115 MM), 5" (125 MM), 5½" (140 MM), 6" (150 MM) [PTHDNS]	2½" (65 MM) [HSNS]		
PPG1500™ Flat Head Phillips Head		13/4" (44 MM), 2" (50 MM), 2½" (65 MM), 3" (75 MM), 3½" (90 MM), 4" (100 MM), 4½" (115 MM), 5" (125 MM) [PTHDNS]		13/4" (44 MM), 2" (50 MM), 21/4" (57 MM), 21/2" (65 MM), 3" (75 MM), 31/2" (90 MM) [PTPSNS]	
PT2000® or PPG1500™ Flat Head Combo Drive™ (SQ & PH) Head	2½" (65 MM), 3" (75 MM) [PTWCNS]	2½" (65 MM), 3" (75 MM) [PTHDNS]		2½" (65 MM), 3" (75 MM) [PTPSNS]	
PT2000® or PPG1500™ Combo Head #2 Robertson® Square Head	21/4" (57 MM) [PTWCNS]	2½" (57 MM), 2½" (65 MM) [PTHDNS]			
Stainless Steel Combo Trim Head T-15 Star Drive	3" (75 MM) (316 SS) [SSWCNS]	3" (75 MM) (305 SS) [SSHDNS]			
305 Stainless Steel Flat Head #2 Robertson® Square Head		2½" (65 MM), 3" (75 MM) [SSHDNS]			
PPG1500™ Black Flat Head #1 Robertson® Square Head Stainless and Carbon 1018/1022 Steel Available					1½" (38 MM), 2½" (57 MM) [PTPPNS] [PLNS]



PART NUMBER	REPLACES SCREW SIZE	COATING/ MATERIAL	WOOD- TO-WOOD	WOOD- TO-STEEL	PRESSURE TREATED LUMBER	APPLICATION(S)	
	15° BNS WIRE COIL						
WCNS134113YZPH	6, 7, or 8	Yellow Zinc	Χ	Χ		<u> </u>	
WCNS134113YZSP	6, 7, or 8	Yellow Zinc	Χ	Χ		IAP MO	
WCNS200113YZPH	6, 7, or 8	Yellow Zinc	Χ	Χ		ES ®	
WCNS200113YZSQ	6, 7, or 8	Yellow Zinc	χ	Χ			
WCNS200113YZSP	6, 7, or 8	Yellow Zinc	Х	Χ		★Subfloor	
WCNS214113YZSQ	6, 7, or 8	Yellow Zinc	* X v7	Х		Sheathing	
WCNS214113YZPH	6, 7, or 8	Yellow Zinc	* X v7	Х		Crating/Pallets	
WCNS214113YZSP	6, 7, or 8	Yellow Zinc	* X v7	Х		Concrete Forms	
WCNS212113YZSQ	6, 7, or 8	Yellow Zinc	★ X	Х		★Shear Wall Roof Decking	
WCNS212113YZPH	6, 7, or 8	Yellow Zinc	* X	Х		Manufactured Housing	
WCNS212113YZSP	6, 7, or 8	Yellow Zinc	★ X	χ		Engineered Wood Products	
WCNS300113YZSP	8 or 9	Yellow Zinc	* X v7				
WCNS300120YZSQ	8 or 9	Yellow Zinc	ΧVT				
WCNS312131YZSQ	9 or 10	Yellow Zinc	ΧVT				
WCNS312131YZSP	9 or 10	Yellow Zinc	Χvτ				
PTWCNS134113SQ	6, 7, or 8	PT2000®	Χ	Χ	Х		
PTWCNS200113SQ	6, 7, or 8	PT2000®	χ	χ	Х		
PTWCNS200113SQ	6, 7, or 8	PT2000®	Х	Х	Х	Wood Decking	
PTWCNS214113TH	6, 7, or 8	PT2000®	Х	χ		Treated Lumber Fencing	
PTWCNS212113SQ	6, 7, or 8	PT2000®	★ X	Х	Х	Fiber-Cement Siding	
PTWCNS212113SP	6, 7, or 8	PT2000®	★ X	Х	Х	Engineered Wood Products	
PTWCNS300113SQ	6, 7, or 8	PT2000®	* X	X	X	Trusses	
PTWCNS300113SP	6, 7, or 8	PT2000®	★ X	X	X		
PTWCNS214CSQ	8 or 9	PT2000®	XVT		• x	Composite or Wood Decking or Fencing to	
DTMONOO4 44 40 THM	0.7.0	DT0000®	v	V	A V	Treated Lumber	
PTWCNS214113THW	6, 7, or 8	PT2000®	X	X	♦ X	Composite or Wood Trim	
SSWCNS300120TH	8 or 9	316 Stainless Steel	X		♦ X	Docks Treated Wood Decking	
			High Load C	oils			
WCNS200113YZSQH	6, 7, or 8	Yellow Zinc	X				
WCNS214113YZSQH	6, 7, or 8	Yellow Zinc	* X V7			Manufacturing	
WCNS212113YZSQH	6, 7, or 8	Yellow Zinc	★ X				

[◆] AERT (MoistureShield® & ChoiceDek®) and Trex (Accents® & Contours®) Approved

★IAPMO Approval #0133

▼ Virginia Tech Multiple Use Classified

See chart on Page 55 for Screw Size.

Limited Lifetime Warranty on PT2000® and PPG1500™ NailScrews®. See page 6 for details.



PART NUMBER	REPLACES SCREW SIZE	COATING/ MATERIAL	WOOD- TO- WOOD	WOOD- TO- STEEL	PRESSURE TREATED LUMBER	APPLICATION(S)
	JIEL	15° BNS P				
HSNS114113YZPH	6, 7, or 8	Yellow Zinc	Х	Х		Steel Applications (12-16 ga)
HSNS114113YZSP	6, 7, or 8	Yellow Zinc	Х	Х		Crating/Pallets Concrete Forms
HSNS112113YZPH	6, 7, or 8	Yellow Zinc	Х	Х		Manufactured Housing
HSNS112113YZSP	6, 7, or 8	Yellow Zinc	Х	Х		Engineered Wood Products Underlayment
HSNS112113THC	6, 7, or 8	PPG1500™	• X	Х	Х	Composite Fencing
HSNS112113THT	6, 7, or 8	PPG1500™	◆ X	Х	Х	Wood Fencing Decking to Steel Frame
HSNS112113PHG	6, 7, or 8	PPG1500™	X	X	X	Fiber-Cement Siding Sheathing to Steel
HSNS112113T15C	6, 7, or 8	PPG1500™	X	X	X	Underlayment
HSNS212113PSQC	6, 7, or 8	PPG1500™	X	Х	• X	Tongue & Groove Decking
HSNS212113PSQG	6, 7, or 8	PPG1500™	Х	Х	• X	Face Nailing
HSNS212113PSQM	6, 7, or 8	PPG1500™	X	Χ	• X	PVC Decking Fiber-Cement Siding
HSNS212113PSQW	6, 7, or 8	PPG1500™	Х	Х	• X	Fencing
		15° MINI BNS	S PLASTIC	C SHEET (COIL	
MC15D3472T10YZ		Yellow Zinc	Х			Cabinetry Coffins Doorsills
MC15D10083T10YZ		Yellow Zinc	X			Door Slides Furniture
MC15D11483T10YZ		Yellow Zinc	х			Shelf Backing Small Crafts Windowsills
		0° MINI BNS	PLASTIC	SHEET C	OIL	
MC0D3472T10YZ		Yellow Zinc	X			Cabinetry Coffins Doorsills
MC0D10083T10YZ		Yellow Zinc	Х			Door Slides Furniture
MC0D11483T10YZ		Yellow Zinc	X			Shelf Backing Small Crafts Windowsills

[◆] AERT (MoistureShield® & ChoiceDek®) and Trex (Accents® & Contours®) Approved

★IAPMO Approval #0133

VI Virginia Tech Multiple Use Classified

See chart on Page 55 for Screw Size.

Limited Lifetime Warranty on PT2000® and PPG1500™ NailScrews®. See page 6 for details.



PART NUMBER	REPLACES	COATING/	WOOD- TO-	WOOD- TO-	PRESSURE TREATED	APPLICATION(S)		
TAKT NOMBER	SCREW SIZE	MATERIAL	WOOD	STEEL	LUMBER	All LioAlloll(0)		
	20°/22° BNS PLASTIC STRIP							
HDNS134120YZSQ	8 or 9	Yellow Zinc	Х			<u>↓ UER-0133</u>		
HDNS200113YZPH	6, 7, or 8	Yellow Zinc	Х	Χ		IAPMO		
HDNS200113YZSP	6, 7, or 8	Yellow Zinc	Х	Х		ES ®		
HDNS200131YZSQ	9 or 10	Yellow Zinc	Х					
HDNS214113YZPH	6, 7, or 8	Yellow Zinc	* X vr	Х		Crating		
HDNS214113YZPH	6, 7, or 8	Yellow Zinc	* X vr	Х		Sheathing		
HDNS214113YZSP	6, 7, or 8	Yellow Zinc	* X vr	Х		Crating/Pallets		
HDNS214113YZSQ	6, 7, or 8	Yellow Zinc	* X vr	Х		★Shear Wall Concrete Forms		
HDNS214113YZSQ	6, 7, or 8	Yellow Zinc	* X vr	Х		Manufactured Housing		
HDNS212113YZSP	6, 7, or 8	Yellow Zinc	★ X	Х		Roof Decking		
HDNS212113YZPH	6, 7, or 8	Yellow Zinc	★ X	Х		★Subfloor		
HDNS212120YZPH	8 or 9	Yellow Zinc	★ X					
HDNS212120YZSQ	8 or 9	Yellow Zinc	Х					
HDNS300113YZPH	6, 7, or 8	Yellow Zinc	★ X	Х				
HDNS314120YZPH	8 or 9	Yellow Zinc	Х					
PTHDNS214113TH	6, 7, or 8	PT2000 [®] PPG1500 [™]	Х	Х	• x			
PTHDNS214113THB	6, 7, or 8	PPG1500™	Х	X	• X	Wood Decking		
PTHDNS214113THC	6, 7, or 8	PPG1500™	X	X	• X	Composite Decking		
PTHDNS214113THG	6, 7, or 8	PPG1500™	X	X	• X	Fencing		
PTHDNS214113THT	6, 7, or 8	PPG1500™	X	X	• X			
PTHDNS300113TH	6, 7, or 8	PPG1500™	Х	Χ	♦ X			
PTHDNS214CSQB	8 or 9	PPG1500™	ХΥ		♦ X			
PTHDNS214CSQT	8 or 9	PPG1500™	ХΥТ		♦ X	Wood Decking Composite Decking		
PTHDNS214CSQC	8 or 9	PPG1500™	ХΥ		♦ X			
PTHDNS214CSQG	8 or 9	PPG1500™	ХΥТ		♦ X	Fencing Fiber-Cement Siding		
PTHDNS212CSQ	8 or 9	PT2000 [®] PPG1500™	Х		• x	r isor-ocinent olding		

[♦] AERT (MoistureShield® & ChoiceDek®) and Trex (Accents® & Contours®) Approved

V Virginia Tech Multiple Use Classified

★IAPMO Approval #0133

Limited Lifetime Warranty on PT2000® and PPG1500™ NailScrews®. See page 6 for details. See chart on Page 55 for Screw Size.



PART NUMBER	REPLACES SCREW SIZE	COATING/ MATERIAL	WOOD- TO- WOOD	WOOD- TO- STEEL	PRESSURE TREATED LUMBER	APPLICATION(S)
		20°/22° E	SNS PLAS	STIC STRIF)	
PTHDNS134113PH	6, 7, or 8	PPG1500™	Х	Х	Х	→ UER-0133
PTHDNS200113PH	6, 7, or 8	PPG1500™	Х	Х	Х	TAPMO
PTHDNS200113SP	6, 7, or 8	PPG1500™	Х	Х	Х	ES ®
PTHDNS212113SQ	6, 7, or 8	PPG1500™	★ X	Х	Х	W 15 1:
PTHDNS212113PH	6, 7, or 8	PPG1500™	★ X	Χ	X	Wood Decking Engineered Wood Products
PTHDNS212113SP	6, 7, or 8	PPG1500™	★ X			Trusses
PTHDNS300113SQ	6, 7, or 8	PPG1500™	★ X	Χ	X	
PTHDNS300113PH	6, 7, or 8	PPG1500™	★ X	X	Х	
PTHDNS300113SP	6, 7, or 8	PPG1500™	★ X	Х	Х	
SSHDNS300120TH	8 or 9	305 Stainless Steel	Х		• X	Wood Decking
SSHDNS212120SQ	8 or 9	305 Stainless Steel	Х		Х	Docks Cedar & Redwood Fencing
SSHDNS300120SQ	8 or 9	305 Stainless Steel	X		X	Railings

[♦] AERT (MoistureShield® & ChoiceDek®) and Trex (Accents® & Contours®) Approved Virginia Tech Multiple Use Classified

★IAPMO Approval #0133

Limited Lifetime Warranty on PT2000® and PPG1500™ NailScrews®. See page 6 for details. See chart on Page 55 for Screw Size.





PART NUMBER	REPLACES SCREW SIZE	COATING/ MATERIAL	WOOD- TO- WOOD	WOOD- TO- STEEL	PRESSURE TREATED LUMBER	APPLICATION(S)
		30°/34	° PLASTI	C STRIP		
PSNS214113YZPH	6, 7, or 8	Yellow Zinc	★ X	Х		Crating Sheathing
PSNS214113YZSP	6, 7, or 8	Yellow Zinc	★ X	Χ		Sheathing Pallets
PSNS214113YZSQ	6, 7, or 8	Yellow Zinc	★ X	Χ		★Shear Wall
PSNS300113YZPH	6, 7, or 8	Yellow Zinc	★ X	Χ		Concrete Forms
PSNS300113YZPH	6, 7, or 8	Yellow Zinc	* X	Х		Manufactured Housing Roof Decking
PSNS300113YZSP	6, 7, or 8	Yellow Zinc	* X	Х		★ Subfloor
PTPSNS212113SP	6, 7, or 8	PPG1500™	* X			WER-0133
PTPSNS300113SP	6, 7, or 8	PPG1500™	★ X			Wood Decking Engineered Wood Products Trusses

30°/34° PAPER COLLATED STRIP POINT LOCATOR™ SERIES										
PTPPNS112113SQB	6, 7, or 8	PPG1500™	Х	Х	х	Hidden Deck Fastening Wood Decking				
SSPPNS112113SQB	6, 7, or 8	PPG1500 [™] Stainless Steel	X		х	Composite Decking Point Locator™ Series				
PLNS112113SQST	6, 7, or 8	PPG1500™		Х	Х	Full Fine Thread for Steel				

Limited Lifetime Warranty on PT2000® and PPG1500™ NailScrews®. See page 6 for details. ★IAPMO Approval #0133 Virginia Tech Multiple Use Classified



NSDGT9034 GAS TOOL



20°-22° Plastic Strip Collation for Framing Nailers including: Hitachi, Duo-Fast, Porter Cable, Senco, and others.

Flat Head BNS for OSB, Plywood, SYP, Oak, Fir, Spruce, and other NON-Treated Lumber Applications
Interior Use

	Shear Value in	Withdrawal						
	lbs.	in lbs.	Inches	MM	Inches			
Item Number	(Est. Avg.)	(Est. Avg.)	Length	Length	Dia.	MM Dia.	Head Insert	Coating
HDNS134120YZSQ	1321	323	1-3/4"	44.4	0.120	3.05	#2 SQ	YZ
HDNS200113YZPH	1284	427	2"	50.8	0.113	2.87	#2 PH	YZ
HDNS2000113YZSP	1284	427	2"	50.8	0.113	2.87	#2 PH/#2 SQ	YZ
HDNS200131YZSQ	1779	541	2"	50.8	0.131	3.33	#2 SQ	YZ
HDNS214113YZPH	1239	533	2-1/4"	57.1	0.113	2.87	#2 PH	YZ
HDNS214113YZSQ	1239	533	2-1/4"	57.1	0.113	2.87	#2 SQ	YZ
HDNS214113YZSP	1239	533	2-1/4"	57.1	0.113	2.87	#2 PH/#2 SQ	YZ
HDNS212113YZSP	N/A	N/A	2-1/2"	63.5	0.113	3.05	#2 PH/#2 SQ	YZ
HDNS212113YZPH	N/A	N/A	2-1/2"	63.5	0.113	3.05	#2 PH	YZ
HDNS212120YZPH	1516	709	2-1/2"	63.5	0.120	3.05	#2 PH	YZ
HDNS212120YZSQ	1516	709	2-1/2"	63.5	0.120	3.05	#2 SQ	YZ
HDNS300113YZPH	1289	573	3"	76.2	0.113	2.87	#2 PH	YZ
HDNS300113YZSP	1289	573	3"	76.2	0.113	2.87	#2 PH/#2 SQ	YZ
HDNS314120YZPH	1500	800	3-1/4"	82.6	0.120	3.05	#2 PH	YZ

Combo Head BNS for Soft Composites and ACQ, CCA, MCQ, and all other Pressure Treated Lumber

Exterior Use

PTHDNS214CSQB	1500	650	2-1/4"	57.1	0.120	3.05	#2 SQ	Brown PPG
PTHDNS214CSQT	1500	650	2-1/4"	57.1	0.120	3.05	#2 SQ	Tan PPG
PTHDNS214CSQC	1500	650	2-1/4"	57.1	0.120	3.05	#2 SQ	Cedar PPG
PTHDNS214CSQG	1500	650	2-1/4"	57.1	0.120	3.05	#2 SQ	Gray PPG
PTHDNS212CSQ	1500	700	2-1/2"	57.1	0.120	3.05	#2 SQ	Gray PPG

Flat Head BNS for ACQ, CCA, MCQ, and all other Pressure Treated Lumber

Exterior Use

PTHDNS134113PH	1280	325	1 3/4"	44.4	0.113	2.87	#2 PH	Gray PPG
PTHDNS200113PH	1280	427	2"	50.8	0.113	2.87	#2 PH	Gray PPG
PTHDNS200113SP	1280	427	2"	50.8	0.113	2.87	#2 PH/#2 SQ	Gray PPG
PTHDNS212113PH	1280	550	2-1/2"	63.5	0.113	2.87	#2 PH	Gray PPG
PTHDNS212113SQ	1280	550	2-1/2"	63.5	0.113	2.87	#2 SQ	Gray PPG
PTHDNS212113SP	1280	550	2-1/2"	63.5	0.113	2.87	#2 PH/#2 SQ	Gray PPG
PTHDNS300113PH	1289	573	3"	76.2	0.113	2.87	#2 PH	Gray PPG
PTHDNS300113SQ	1289	573	3"	76.2	0.113	2.87	#2 SQ	Gray PPG
PTHDNS300113SP	1289	573	3"	76.2	0.113	2.87	#2 SQ	Gray PPG

Trim Head BNS for Harder Composites or Wood Materials including all Pressure Treated Lumber
Exterior Use

			EXCOLO	, 000				
PTHDNS214113TH	1239	533	2-1/4"	57.1	0.113	2.87	T-15	Gray PPG
PTHDNS214113THB	1239	533	2-1/4"	57.1	0.113	2.87	T-15	Brown PPG
PTHDNS214113THC	1239	533	2-1/4"	57.1	0.113	2.87	T-15	Cedar PPG
PTHDNS214113THG	1239	533	2-1/4"	57.1	0.113	2.87	T-15	Gray PPG
PTHDNS214113THT	1239	533	2-1/4"	57.1	0.113	2.87	T-15	Tan PPG
PTHDNS300113TH	1239	533	3"	76.2	0.113	2.87	T-15	Gray PPG

We design BNS for real world applications and use only the best coatings and materials for our Pneumatically Driven Screws!
Third party testing has been done on UFO Ballistic NailScrews® and coating materials like PPG1500™ and PT2000® for many years.

Intertek Test Report No. 3100366-001 Issued July 2006 for Est. Avg. Shear and Withdrawal in SYP on all BNS manufactured at that time.

IAPMO ES Report # 0133, Issued 2009-2016 for Subfloor and Shear Walls. Annual QC checks required by IAPMO!

Virginia Tech Multiple Use Classified for NWPCA. Lifetime Limited Warranty



15° Wire Coil Collation for Framing Nailers including: Hitachi, MAX, Bostitch, Senco, and others.

Flat Head BNS for OSB, Plywood, SYP, Oak, Fir, Spruce, and other NON-Treated Lumber Applications
Interior Use

	Shear Value	Withdrawal in						
	in lbs.	lbs.	Inches	ММ	Inches	ММ		
Item Number	(Est. Avg.)	(Est. Avg.)	Length	Length	Dia.	Dia.	Head Insert	Coating
WCNS134113YZPH	1239	350	1 3/4"	44.4	0.113	2.87	#2 PH	YZ
WCNS134113YZSP	1239	350	2 3/4"	44.4	0.113	2.87	#2 PH/#1 SQ	
WCNS200113YZSQ	1250	427	2"	50.8	0.113	2.87	#2 SQ	YZ
WCNS200113YZPH	1250	427	2"	50.8	0.113	2.87	#2 PH	YZ
WCNS200113YZSP	1250	427	2"	50.8	0.113	2.87	#2 PH/#1 SQ	YZ
WCNS214113YZSQ	1218	525	2-1/4"	57.1	0.113	2.87	#2 SQ	YZ
WCNS214113YZPH	1218	525	2-1/4"	57.1	0.113	2.87	#2 PH	YZ
WCNS214113YZSP	1218	525	2-1/4"	57.1	0.113	2.87	#2 PH/#1 SQ	YZ
WCNS212113YZPH	1329	534	2-1/2"	63.5	0.113	2.87	#2 PH	YZ
WCNS212113YZSQ	1329	534	2-1/2"	63.5	0.113	2.87	#2 SQ	YZ
WCNS212113YZSP	1329	534	2-1/2"	63.5	0.113	2.87	#2 PH/#1 SQ	YZ
WCNS300120YZSQ	1516	600	3"	76.2	0.120	3.05	#2 SQ	YZ
WCNS300131YZSQ	1800	800	3"	76.2	0.131	3.33	#2 SQ	YZ
WCNS300131YZSP	1800	800	3"	76.2	0.131	3.33	#2 PH/#2 SQ	YZ
WCNS312131YZSQ	1800	900	3-1/2"	88.9	0.131	3.33	#2 SQ	YZ
WCNS312131YZSP	1800	900	3-1/2"	88.9	0.131	3.33	#2 PH/#2 SQ	YZ
WCNS200113YZSQH	1250	427	2"	50.8	0.113	2.87	#2 SQ	YZ
WCNS214113YZSQH	1218	525	2-1/4"	57.1	0.113	2.87	#2 SQ	YZ
WCNS212113YZSQH	1329	534	2-1/2"	63.5	0.113	2.87	#2 SQ	YZ

Combo Head BNS for Soft Composites and ACQ, CCA, MCQ, and all other Pressure Treated Lumber Exterior Use

PTWCNS214CSQ	1516	525	2-1/4"	57.1	0.120	3.05	#2 SQ	P12000®		
	Flat Head	BNS for ACQ, CCA	A, MCQ, and a	II other Pres	sure Treate	d Lumber				
	Exterior Use									
PTWCNS134113SQ	1239	350	1 3/4"	44.4	0.113	2.87	#2 SQ	PT2000®		
PTWCNS200113SQ	1250	427	2"	50.8	0.113	2.87	#2 SQ	PT2000®		
PTWCNS212113SQ	1329	534	2-1/2"	63.5	0.113	2.87	#2 SQ	PT2000®		

Trim Head BNS for Harder Composites or Wood materials including all Pressure Treated Lumber

76.2

76.2

0.113

0.113

2.87

			Exterior Us	se				
PTWCNS214113TH	1218	525	2-1/4"	57.1	0.113	2.87	T-15	PT2000®

White Trim Head BNS for White Trim (Composite or Wood) and all Pressure Treated Lumber
Exterior Use

			Exterior 03) 				
PTWCNS214113THW	1218	525	2-1/4"	57.1	0.113	2.87	T-15	PT2000®

316 Stainless Steel Trim Head BNS for Softer Composite and all Pressure Treated Lumber Exterior Use

SSWCNS300120TH NA NA 3" 76.2 0.120 3.05 T-15 316 ST. ST.
--

We design BNS for real world applications and use only the best coatings and materials for our Pneumatically Driven Screws!

Third party testing has been done on UFO Ballistic NailScrews® and coating materials like PPG1500™ and PT2000® for many years.

Intertek Test Report No. 3100366-001 Issued July 2006 for Est. Avg. Shear and Withdrawal in SYP on all BNS manufactured at that time.

IAPMO ES Report # 0133, Issued 2009-2016 for Subfloor and Shear Walls. Annual QC checks required by IAPMO!

Virginia Tech Multiple Use Classified for NWPCA. Lifetime Limited Warranty

1289

1289

573

573

PTWCNS300113SQ

PTWCNS300113SP

PT2000®

PT2000®

#2 SQ

#2 PH/#2 SQ



15° Plastic Sheet Coil Collation for Siding Nailers including: Hitachi, MAX, Bostitch, Senco, and others.

Flat Head BNS for OSB, Plywood, SYP, Oak, Fir, Spruce and other NON-Treated Lumber Applications
Interior Use

Note: BNS of .113 Diameter are great for attaching many materials to metal (12-16 gauge) joist or studs, etc.

	,			•		0 0 / 3		
Item Number	Shear Value in lbs. (Est. Avg.)	Withdrawal in lbs. (Est. Avg.)	Inches Length	MM Length	Inches Dia.	MM Dia.	Head Insert	Coating
HSNS114113YZSP	1097	500 in 16ga	1-1/4"	31.75	0.113	2.870	#1PH/#1SQ	YZ
HSNS114113YZPH	1097	500 in 16ga	1-1/4"	31.75	0.113	2.870	#2 PH	YZ
HSNS112113YZSP	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#1PH/#1SQ	YZ
HSNS112113YZPH	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#2 PH	YZ

Combo Head BNS for most Composite and Wood Fencing and Decking to Metal Joist (12-16 gauge) Exterior Use

HSNS112113THC	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	T-15	Cedar PPG
HSNS112113THT	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	T-15	Tan PPG

Flat Head BNS for Concrete Boards, Composite and Wood Fencing, and Decking to Metal Joist (12-16 gauge)

Exterior Use

HSNS112113PHG	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#2 PH	Gray PPG
HSNS112113T15C	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	T-15	Cedar PPG

Flat Head BNS for GeoDeck Composite Decking, PVC Decking, all Wood Decking and Fencing, etc. Exterior Use

HSNS212113PSQC	1329	534	2-1/2"	63.5	0.113	2.870	#1 SQ	Cedar PPG
HSNS212113PSQG	1329	534	2-1/2"	63.5	0.113	2.870	#1 SQ	Gray PPG
HSNS212113PSQM	1329	534	2-1/2"	63.5	0.113	2.870	#1 SQ	Mahogany
HSNS212113PSQW	1329	534	2-1/2"	63.5	0.113	2.870	#1 SQ	Walnut

We design BNS for real world applications and use only the best coatings and materials for our Pneumatically Driven Screws!

Third party testing has been done on UFO Ballistic NailScrews® and coating materials like PPG (Pittsburgh Paint Group) and PT2000® for many years.

Intertek Test Report No. 3100366-001 Issued July 2006 for Est. Avg. Shear and Withdrawal in SYP on all BNS manufactured at that time.

IAPMO ES Report # 0133, Issued 2009-2012 for Subfloor and Shear Walls. Annual QC checks required by IAPMO!

Virginia Tech Multiple Use Classified for NWPCA. Lifetime Limited Warranty

Coarse Thread Construction Screws Cross-Reference				
UFO's Ballistic NailScrews®	Replaces Screw Number			
.113" (2.8 mm)nominal wire size with a major thread diameter of .125	6, 7, or 8			
.120 nominal wire size with a major thread diameter of .135	8 or 9			
.131 nominal wire size with a major thread diameter of .146	9 or 10			
.148 nominal wire size with a major thread diameter of .165	10 or 12			



	Point Locator 34° Paper Tape Collation for NSDPP38/40							
Flat Head E	BNS for OSB, Ply	wood, SYP, Oa	k, Fir, Spruce, a Exterior Use	and other NO	ON-Treated L	umber Ap	plications	
Item Number	Shear Value in lbs. (Est. Avg.)	Withdrawal in lbs. (Est. Avg.)	Inches Length	MM Length	Inches Dia.	MM Dia.	Head Insert	Coating
<u>Full Thread</u> Point Loca	Full Thread Point Locator BNS for exact applications: Mantis Hidden Deck Clips to Trex Elevations Metal Joist (12-16 gauge).							
PLNS112113SQST	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#1 SQ	Black PPG
Point Locate	Point Locator BNS for exact applications: Mantis and all Hidden Deck Clips, Hinges, Metal Brackets, etc.							
PTPPNS112113SQB	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#1 SQ	Black PPG
SSPPNS112113SQB	1097	500 in 16ga	1-1/2"	38.1	0.113	2.870	#1 SQ	SS w/ Black PPG

We design BNS for real world applications and use only the best coatings and materials for our Pneumatically Driven Screws! Third party testing has been done on UFO Ballistic NailScrews® and coating materials like PPG1500™ and PT2000® for many years. Intertek Test Report No. 3100366-001 Issued July 2006 for Est. Avg. Shear and Withdrawal in SYP on all BNS manufactured at that time. IAPMO ES Report # 0133, Issued 2009-2016 for Subfloor and Shear Walls. Annual QC checks required by IAPMO!

THE ELIMINATOR™

Lifetime Limited Warranty







Pull-out (Withdrawal) Resistance

The amount of force (measured in pounds) needed to withdraw a fastener from the material or substrate. For example: The 2½" BNS averaged 523 lbs.to 533 lbs.in Southern Yellow Pine Testing in 2006. Intertek Report #3100366-001.

Shear Strength

The maximum load applied to a fastener's axis before it will fracture or split, essentially causing the fastener to break in half. Shear strength is usually specified in pounds per square inch (PSI). Single shear values for fasteners are typically calculated based upon the nominal body diameter or body shear area, BSA.

Bend Yield Strength

Bending yield strength is determined by fitting a straight line to the initial linear portion of the load-deformation curve, and then offsetting this line by 5% of the nominal fastener diameter. Bending yield strength, as determined by the point where the offset line intersects the load-deformation curve, is reported.



Tools with adjustable flush drive and consistent air pressure are the secret to consistent depth of drive.

Patented Ballistic NailScrews® (BNS) require smaller diameters than regular bulk screws and collated screws (AKA "Snail Screws") for most applications. Ballistic NailScrews® are Heat Treated and Case Hardened. Designed to be pneumatically driven in with a Pneumatic Nailer, Ballistic NailScrews® only endure a slight turning motion. This reduces the need for larger diameters required for installation torque stress when inserting a regular screw. In 95% of applications, Ballistic NailScrews® will not be removed. When adjustments or removal is needed, use the unstressed, unused bit insert in the heads.

Tip: To remove BNS, go slow for the first 2 revolutions while the treads are cutting into the wood fibers or metal (12-16 gauge).

We design all Ballistic NailScrews® to work well for the intended applications. We hope you enjoy our time saving products on your building projects and manufacturing requirements. Share with us your BNS story and we may use your story and digital photos on our website. Please e-mail your story to jboyd@911-nails.com. Thank you.

NailScrew[®] Drivers





Ballistic NailScrew[®] Drivers are designed to work with our Patented Ballistic NailScrews[®].

Drive NailScrews[®] in with a pneumatic nailer to save up to 70% in labor cost.

"Drive them in, Screw them out!"™

"Quit Screwin' Around, Go Ballistic!"™

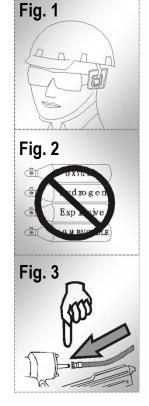
NailScrew® Drivers (NSD) in this section: INDUSTRIAL CONSTRUCTION 20/22° Strip NSD 15° Coil NSD NSD9021......60 NSDCN6465 NSDGT9021FRH Gas Nailer.....61 NSDCN7069 NSDCN9071 NSDRN2275 (Multi Blow)62 NSDPL22130 (Multi Blow).......63 15° Coil NSD THE BIG DOGS 20/22° Strip NSD NSDCN65SP......66 NSDSN22130.....64 NSDCN65S67 15° Coil NSD NSDCN65S-3.....68 NSDCN10072 NSDCN7570 34° Strip NSD NSDPP38/40 (The Eliminator)74 Compatible Nailers.....78-79 NSDGT9034FRH Gas Nailer.....75 Safety Instructions59 Tools/Applications.....80 Mini Coil NSD NSDCN3276 NSDCN3877

Safety Instructions



Before using your NailScrew[®] Driver, please read and follow all safety rules and operating instructions.

- 1. **KEEP CHILDREN AWAY.** All children should be kept away from the work area. Do not allow them to handle the tool.
- 2. **USE SAFETY GLASSES AND EAR PROTECTION.** Air tool operators and others in the work area should always wear safety glasses to prevent injury from fasteners and flying debris during use and when loading and unloading a tool. Wear ear protection to safeguard against hearing loss. (See Fig. 1.)
- 3. **NEVER USE OXYGEN, COMBUSTIBLE FUELS, OR ANY OTHER BOTTLED GAS** as a power source as it will cause explosion and serious personal injury. (See Fig. 2.)
- 4. DO NOT CONNECT TOOL TO COMPRESSED AIR WITH PRESSURE EXCEEDING 120 PSI.
- 5. **DO NOT USE AN EXCESSIVELY LONG AIR HOSE** in the working area as it will create an operator tripping hazard. Secure all connections tightly.
- 6. **CARRY TOOL ONLY BY THE HANDLE** and keep your finger off the trigger pull. This will allow the safety yoke mechanism to prevent the unintentional firing of fasteners.
- 7. **KEEP THE TOOL POINTED AWAY FROM YOURSELF AND OTHERS** at all times. Keep hands and all body parts away from the nose area and rear area of the tool to guard against possible injury.
- DISCONNECT TOOL FROM AIR SUPPLY BEFORE LOADING FASTENERS to prevent accidental fastener firing. (See Fig. 3.)
- 9. **DO NOT DEPRESS TRIGGER OR SAFETY MECHANISM DURING FASTENER LOADING** to prevent the unintentional firing of a fastener that can cause personal injury.
- 10. **DISCONNECT TOOL FROM AIR SUPPLY HOSE** and disconnect from air compressor before performing maintenance, altering accessories, or while not in operation.
- 11. DO NOT OPERATE ON SCAFFOLDINGS OR LADDERS, and do not work in airtight containers or vehicles.
- 12. **DO NOT DRIVE FASTENERS CLOSE TO THE EDGE OF THE WORK PIECE**. The work piece could split, causing the fastener to fly free or ricochet, causing personal injury.
- 13. **DO NOT DRIVE FASTENERS ON TOP OF OTHER FASTENERS** or the fasteners can ricochet causing personal injury.
- 14. NEVER USE A TOOL THAT IS LEAKING AIR, HAS MISSING OR DAMAGED PARTS, OR IS IN NEED OF REPAIR. Make sure that all screws are securely tightened.
- INSPECT DAILY FOR FREE MOVEMENT of trigger, safety mechanism and spring to insure safe and proper operation of the tool.
- 16. **ONLY USE PARTS AND ACCESSORIES RECOMMENDED BY THE MANUFACTURER**. Tool Parts & Service Contact: http://elder-hayesinc.com or call 1-800-769-0775.



NailScrew[®] Driver: NSD9021



NSD9021 20/22° Plastic Strip Ballistic NailScrew® Driver



Drives round head NailScrews® or nails from 2 inches (50 mm) to 3½ inches (90 mm) in length. It has a die cast aluminum body that provides more power to easily drive NailScrews® into composite decking and other standard composite lumber, as well as wood. The comfort grip rubber handle provides improved control and comfort, even during extended use. It features a 360 degree exhaust port that can be adjusted to any direction. It has economical air consumption with a very low noise level, making it ideal for installing NailScrews® even in cold weather. Features include a no-mar tip and adjustable depth of drive.

Includes: Case, Hose Fitting, Safety Glasses, Allen Wrenches, & Oil

NSD9021 Technical Data:

Applications:

Capacity:	2 x 30, full round head 20°/22° strips	Concrete Forms
Nail Length:	2" - 3½" (50 - 90 mm)	Crating/Pallets
Fastener Diameter:	.113"162" (2.87 - 3.76 mm)	Decking
Head:	.275" to .300" (7.0 – 7.6 mm)	Fencing
Operation Pressure:	70 - 120 PSI (5.0 - 7.5 Bar)	Framing
Air Inlet:	1/4 in. N.P.T.	Manufactured Housing
Dimensions:	5.59 × 14 × 22" (142 × 356 × 560 mm)	Roof Decking
Weight:	8.16 lbs. (3.7 kgs)	Subfloor
	, ,	Wood to Steel (12 – 16 ga)

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDGT9021FRH



NSDGT9021FRH Gas 20/22° Plastic Strip Ballistic NailScrew[®] Driver



Cordless full round head gas framer combines the convenience of a cordless tool with the power and utility of a pneumatic framing nailer. Features include a no-mar tip and adjustable depth of drive. This well-balanced framing nailer has the power to complete all of your framing and sheathing job requirements and is perfect for crews who need to un-tether from the hassle of a hose and compressor. Built with components that ensure all day durability and reliability, the NSDGT9021FRH comes with a Ni-MH battery, battery charger, service tools, and a durable plastic case.

NSDGT9021FRH Technical Data:

Applications:

Collation:	20°/22° Strip	Concrete Forms
Capacity:	32 NailScrews®	Crating/Pallets
Nail Length:	2" - 3¼" (50-82.6 mm)	Decking
Fastener Diameter:	.113"131" (2.87- 3.3 mm)	Fencing
Weight:	8.0 lbs.	Framing
Length:	14.5" (368 mm)	Manufactured Housing
Width:	4.2" (107 mm)	Roof Decking
Height:	14.7" (373 mm)	Subfloor
Battery:	6 Volt Ni-MH	Wood to Steel (12 – 16 ga)
Charger:	2 Hours	
Fuel Cell:	40g Or Other Compatible Fuel	
Mode of Operation:	Sequential Trigger Mechanism Only	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDRN2275



NSDRN2275 20/22° Plastic Strip Multi Blow Ballistic NailScrew® Driver



The NSDRN2275 Ballistic NailScrew® Driver is a 20°/22° plastic collated strip nailer. Its light weight and smaller size makes it perfect to maneuver and access tight areas. The NailScrew® point protrudes so it is easy to align. It has a rear load magazine with load and cock operation. It includes the case, fitting, wrenches, and oil.

NSDRN2275 Technical Data:

2 x 30, full round head 20°/22° strips Capacity:

1½" to 3" (38 - 83 mm) Nail Length:

.113" - .148" (2.87 - 3.76 mm) Fastener Diameter: 70 - 120 PSI (5.0 - 7.5 Bar) Operation Pressure:

Air Inlet: 1/4 in. N.P.T.

12" × 4" × 9" (304.8 × 101.6 × 228.6 mm) Dimensions:

4.4 lbs. (2.0 kgs) Weight:

Applications:

Board Road Bridge Building Concrete Forms Crating/Pallets

Decking

Manufactured Housing

Pole Barns **Roof Decking** Subfloor

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew[®] Driver: NSDPL22130



NSDPL22130 20/22° Plastic Strip Multi Blow Ballistic NailScrew[®] Driver



A Multi Blow plastic strip nailer that is easy to use. It is light weight (half the weight of other single shot nailers) and provides a soft rubber grip to prevent fatigue. It has an aluminum magazine that can hold 25 BNS and enables single hand operation. The NSDPL22130 allows precise aiming of the NailScrew® tip. The second handle supplies more balance.

NSDPL22130 Point Locator™ Technical Data:

Applications:

Capacity:	2 strips of 25 BNS	Board Roads
Nail Length:	3½" – 5" (90 – 130 mm)	Bridge Building
Shank Diameter:	.131", .148" & .162" (3.3, 3.8, & 4.1 mm)	Crating/Pallets
Operation Pressure:	100 – 120 PSI (6.9 – 8.3 Bar)	Heavy Timber Construction
Length:	13" (330 mm)	Industrial Flat Roofing
Width:	5" (124.3 mm)	Pole Barns
Height:	17" (430 mm)	Roofing (see Soprema.com)
Weight:	8.16 lbs. (3.7 kg)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew[®] Driver: NSDSN22130



NSDSN22130 20/22° Plastic Strip Ballistic NailScrew® Driver



NSDSN22130 Technical Data:

2 strips of 25 BNS Capacity: $3\frac{1}{4}$ " - $5\frac{1}{8}$ " (90 - 130 mm) Nail Length: .149" - .162" (3.78 - 4.11 mm) Shank Diameter: .327 - .338 (8.3 - 8.6 mm)Head: 70 - 120 PSI (4.8 - 8.3 Bar) Operation Pressure:

20.6" (523 mm) Length: 6.9" (175 mm) Width: 18.8" (478 mm) Height: 13.45 lbs. (6.1 kg) Weight:

Applications:

Bridge Building Board Roads

Heavy Timber Construction Industrial Flat Roofing Pallets & Crating

Pole Barns

Roofing (see Soprema.com)

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN64



NSDCN64 15° Wire Coil Industrial Ballistic NailScrew[®] Driver



The NSDCN64 is a $2\frac{1}{2}$ " (65 mm) Coil Nailer designed for high speed operation. It is well-balanced and powerful for heavy duty applications. It has a magnesium housing that is light weight. The magazine is tough nylon and easy to load. The flat angle magazine allows toe-nailing. The high durability driver blade and bumper are specially designed for long life.

NSDCN64 Technical Data:

Applications:

Capacity:	250 – 350 15° Round Head Coil BNS	Crating
Nail Length:	1" – 2½" (25.4 – 63.5 mm)	Heavy Duty
Shank Diameter:	.083"113" (2.1 - 2.5 mm)	In Plant Construction
Head:	.197" – .260" (5 – 6.6 mm)	Pallets
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	
Length:	12" (305 mm)	
Width:	5.2" (136 mm)	
Height:	12.4" (314 mm)	
Weight:	7.5 lbs. (3.4 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN65SP



NSDCN65SP 15° Plastic Sheet Coil & Trim Head 15° Wire Coil Ballistic NailScrew[®] Driver



A heavy duty, coil fed, pneumatic nailer, using compressed air as power source. It is designed to drive 15° plastic sheet coil or 15° wire coil with full round head **Ballistic NailScrews**® or nails 1¼" to 2½" in length and 0.083" to .113" in diameter. The NSDCN65SP was specially designed for **UFO's Ballistic NailScrew**® program with the ease of installation and durability in mind. It has the power to easily drive color matched **Ballistic NailScrews**® into wood or composites into light gauge (12 to 16 ga) steel frame and stop the drive when it is flush. Features include a no-mar tip and adjustable depth of drive.

NSDCN65SP Technical Data:

Applications:

Capacity:	15° Round Head Coil BNS	Crating
Nail Length:	1¼" – 2½" (31.75 – 63.5 mm)	Fencing
Shank Diameter:	.083"113" (2.1 - 2.9 mm)	Metal/Steel Applications
Head:	.197" – .236" (5.0 – 6.0 mm)	Siding
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	Wood to Metal Applications
Length:	12.25" (311.2 mm)	
Width:	5" (124.3 mm)	
Height:	12.5" (317.5 mm)	
Weight:	4.6 lbs. (2.1 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN65S



NSDCN65S 15° Plastic Sheet Coil & Trim Head 15° Wire Coil Ballistic NailScrew[®] Driver



A heavy duty, coil fed, pneumatic nailer, using compressed air as power source. It is designed to drive 15° plastic sheet coil or 15° wire coil with full round head **Ballistic NailScrews**® or nails 1¼" to 2½" in length and 0.083" to .113" in diameter. The NSDCN65S was specially designed for **UFO's Ballistic NailScrew**® program with the ease of installation and durability in mind. It has the power to easily drive color matched **Ballistic NailScrews**® into wood, composites, or light gauge (12 to 16 ga) steel frame and stop the drive when it is flush. Features include a no-mar tip and adjustable depth of drive.

NSDCN65S Technical Data:

Applications:

Capacity:	15° Round Head Coil NailScrews®	Crating
Nail Length:	1¼" – 2½" (31.75 – 63.5 mm)	Fencing
Shank Diameter:	.083"113" (2.1 - 2.9 mm)	Metal/Steel Applications
Head:	.197" – .236" (5.0 – 6.0 mm)	Siding
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	Wood to Metal Applications
Length:	12.25" (311.2 mm)	
Width:	5" (124.3 mm)	
Height:	12.5" (317.5 mm)	
Weight:	4.4 lbs. (2.0 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew[®] Driver: NSDCN65S-3



NSDCN65S-3 15° Wire Coil or Plastic Sheet Coil **Ballistic NailScrew® Driver**



The NSDCN65S-3 is a well-balanced, powerful Ballistic NailScrew® Driver packed with performance and convenience features including: selectable trigger, clear magazine door, precise depth of drive control, nomar tip, and adjustable exhaust. It is durable and dependable to allow you to attain professional quality results. It is multi-collation friendly, allowing you to use plastic sheet or wire weld collations. This fastener range allows you to use the NSDCN65S-3 for many applications.

NSDCN65S-3 Technical Data:

Applications:

Capacity:	250 – 375 15° Round Head Coil NailScrews®	Crating
Nail Length:	1½" – 2½" (31.75 – 63.5 mm)	Decking
Shank Diameter:	.082"– .113" (2.1 – 2.9 mm)	Fencing
Head:	.209" – .276" (5.3 – 7.0 mm)	Fiber-Cement Siding
Operation Pressure:	70 – 120 PSI (4.8 – 8.3 Bar)	Metal to Steel (12 -16 ga)
Length:	12.25" (314 mm)	Sheathing
Width:	5.19" (132 mm)	Subfloor
Height:	12" (304 mm)	Wood to Metal
Weight:	5.1 lbs. (2.31 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN70



NSDCN70 15° Wire Coil Industrial Ballistic NailScrew® Driver



The NSDCN70 is a 2¾" (70 mm) Coil Nailer designed for high speed operation. It is well-balanced and powerful for heavy duty applications. The magazine is tough nylon and easy to load. The flat angle magazine allows toe-nailing. The high durability driver blade and bumper are specially designed for long life.

NSDCN70 Technical Data:

Applications:

Capacity:	250 – 300 15° Round Head Coil BNS	Crating
Nail Length:	1¾" – 2¾" (44.5 – 70 mm)	Heavy Duty
Shank Diameter:	.090"– .113" (2.3 – 2.9 mm)	In Plant Construction
Head:	.224" – .276" (5.7 – 7.0 mm)	Pallets
Operation Pressure:	70 –120 PSI (5.0 – 7.5 Bar)	
Length:	13.3" (338.6 mm)	
Width:	5" (124.3 mm)	
Height:	12.5" (124.3 mm)	
Weight:	7.9 lbs. (3.58 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775



NSDCN75 15° Wire Coil & Plastic Sheet Coil Ballistic NailScrew[®] Driver



A heavy duty, coil fed, pneumatic nailer using compressed air as power source. It is designed to drive 15° plastic sheet coil or 15° wire coil with full round head **Ballistic NailScrews**® or nails 1½" to 3" in length and 0.090" to 0.131" in diameter. The NSDCN75 was specially designed for **UFO's Ballistic NailScrew**® program with the ease of installation and durability in mind. Features include a no-mar tip and adjustable depth of drive. It has the power to easily drive color matched **Ballistic NailScrews**® into wood or composites into light gauge (12 to 16 ga) steel frame and stop the drive when it is flush.

NSDCN75 Technical Data:

Capacity: 15° Round Head Coil NailScrews® Nail Length: 1¼" – 3" (31.75 – 76.2 mm)

Shank Diameter: .090"-.131" (2.3-3.3 mm)Head: .224"-.283" (5.7-7.2 mm)Operation Pressure: 70-120 PSI (5.0-7.5 Bar)

Length: 12.25" (311.2 mm)
Width: 5" (124.3 mm)
Height: 12.5" (124.3 mm)
Weight: 6.4 lbs. (2.9 kgs)

Applications:

Air & Vapor Barriers
Concrete Forms

Crating/Pallets

Decking Fencing

Fiber-Cement Siding Manufactured Housing

Roof Decking

Steel/Metal Applications

Subfloor

Wood to Metal Applications

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN90



NSDCN90 15° Wire Coil Ballistic NailScrew® Driver



The NSDCN90 is a 3½" (90 mm) high power coil nailer. It has a magnesium housing making it light weight and a contoured rubber grip for comfort. The high capacity, easy to load magazine holds up to 225 15° collated Ballistic **NailScrews**®.

NSDCN90 Technical Data:

Applications:

Capacity:	200 – 300 15° Round Head Coil BNS	Crating/Pallets
Nail Length:	1½" – 3½" (38 – 90 mm)	Decking
Shank Diameter:	.099"– .148" (2.5 – 3.8 mm)	Heavy Duty
Head:	.228" – .283" (5.8 – 7.2 mm)	Manufactured Housing
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	Subfloor
Length:	15.125" (384 mm)	
Width:	5.75" (146 mm)	
Height:	14.5" (168 mm)	
Weight:	7.7 lbs. (3.5 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775



NSDCN100 15° Wire Coil Ballistic NailScrew® Driver



NSDCN100 Technical Data:

Applications:

Capacity:	200 – 300 15° Round Head Coil BNS	Crating/Pallets
Nail Length:	21/4" - 4" (57.15 - 101.6 mm)	Decking
Shank Diameter:	.120"148" (3.0 - 3.8 mm)	Heavy Duty
Head:	.256" – .295" (6.5 – 7.5 mm)	Manufactured Housing
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	Subfloor
Length:	13.5" (342.9 mm)	
Width:	6" (152.4 mm)	
Height:	16.5" (419.1 mm)	
Weight:	11.54 lbs. (5.23 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

See pages 78-79 for compatible nailers.

Page 72



NSDCN130 15° Wire Coil Ballistic NailScrew® Driver



NSDCN130 Technical Data:

Applications:

Capacity:	200 – 300 15° Round Head Coil BNS	Crating/Pallets
Nail Length:	3" - 5 ¹ / ₈ " (76.2 - 130.2 mm)	Decking
Shank Diameter:	.120" – .148" (3.0 – 3.8 mm)	Heavy Duty
Head:	.295" – .338" (7.5 – 8.6 mm)	Manufactured Housing
Operation Pressure:	70 – 120 PSI (5.0 – 7.5 Bar)	Subfloor
Length:	13.5" (342.9 mm)	
Width:	6" (152.4 mm)	
Height:	18.8" (477.5 mm)	
Weight:	12.7 lbs. (5.76 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDPPN38/40



THE ELMINATOR™ 30°/34° NailScrew® Driver



The Eliminator™ is the perfect tool for manufacturing and decking applications where precise placement is required. Installs most major brands of 45° hidden deck clips such as Trex® HideAway™, Ipe Clips®, Fiberon Phantom[®], Mantis Clips, Conceal Loc[™], and more!

Includes: Case, Hose Fitting, Safety Glasses, Allen Wrenches, & Oil.

NSDPPN38/40 Technical Data:

Applications:

Capacity: Nail Length: Shank Diameter:	2 strips of 25 BNS 1½" (38 mm) .113" – .148" (2.9 – 3.8 mm)	Composite & Wood Decking using Hidden Deck Systems (as listed in the description) Point Locator™ Applications
Head:	.250" – .330" (6.4 – 8.4 mm)	
Operation Pressure:	70 – 100 PSI (5.0 – 7.5 Bar)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDGT9034FRH



NSDGT9034FRH Gas 30°/34° Paper Strip Ballistic NailScrew[®] Driver



NSDGT9034FRH Gas Ballistic NailScrew® Driver combines the convenience of a cordless tool with power to make a perfect pneumatic framing nailer. Removing the tether of a hose and compressor, this well-balanced nailer will meet your framing and sheathing requirements on the job. Features of this durable nailer include a no-mar tip and adjustable depth of drive. The NSDGT9034FRH comes with a Ni-MH battery, battery charger, service tools, and durable plastic case.

NSDGT9034FRH Technical Data:

Applications:

Capacity:	30°-34° Paper or Plastic Collated NailScrews®	Concrete Forms
Nail Length:	2" – 3½" (50.8 – 90 mm)	Decking
Fastener Diameter:	.113" – .131" (2.87 – 3.3 mm)	Fencing
Weight:	8.0 lbs.	Fiber-Cement Siding
Length:	14.5" (368 mm)	Roof Decking
Width:	4.2" (107 mm)	Shear Wall
Height:	14.7" (373 mm)	Sheathing
Battery:	6 Volt Ni-MH	Subfloor
Charger:	2 Hours	
Fuel Cell:	40g Or Other Compatible Fuel	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

NailScrew® Driver: NSDCN32



NSDCN32 0° Plastic Sheet Coil Ballistic NailScrew[®] Driver



The NSDCN32 Ballistic NailScrew® Driver comes with four no-mar tips and a 360° rotating nose piece. This lightweight tool has an ergonomically designed handle for ease of operation and comfort. Features of this durable, powerful nailer include a sequential fire or bump fire switch on the trigger, an adjustable depth of drive, and a clear, see-through magazine.

NSDCN32 Technical Data:

Applications:

Capacity:	150 - 188 BNS	Cabinetry
Nail Length:	³ / ₄ " – 1 ¹ / ₄ " (19 – 31.7 mm)	Doorsills
Shank Diameter:	.072" (1.8 mm)	Door Slides
Head:	.171" – .189" (4.3 – 4.8 mm)	Furniture
Operation Pressure:	80 – 120 PSI (5.0 – 7.5 Bar)	Shelf Backing
Length:	10.09" (256.3 mm)	Small Crafts
Width:	3.85" (97.8 mm)	Windowsills
Height:	8.3" (210.8 mm)	
Weight:	2.49 lbs. (1.13 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775



NSDCN38 15° Plastic Sheet Coil Ballistic NailScrew® Driver



The NSDCN38 Ballistic NailScrew® Driver comes with a no-mar tip and a 360° rotational exhaust. This lightweight tool has an ergonomically designed handle for ease of operation and comfort. Features of this durable, powerful nailer include a sequential fire or bump fire switch on the trigger, an adjustable depth of drive, and an easy load magazine.

NSDCN38 Technical Data:

Applications:

Capacity:	200 - 400 BNS	Cabinetry
Nail Length:	³ / ₄ " – 1½" (19 – 38 mm)	Doorsills
Shank Diameter:	.072" (1.8 mm) & .083" (2.1 mm)	Door Slides
Head:	.171" – .200" (4.3 – 5.1 mm)	Furniture
Operation Pressure:	80 – 120 PSI (5.5 – 7.5 Bar)	Shelf Backing
Length:	10.35" (263 mm)	Small Crafts
Width:	4.25" (108 mm)	Windowsills
Height:	10" (254 mm)	
Weight:	2.6 lbs. (1.18 kgs)	

90 Day Limited Warranty

Tool Parts & Service Department at www.elder-hayesinc.com or call (800) 769-0775

Compatible Nailers



2	0° / 22° NAILER	S	30° / 34°	NAILERS	15° NA	AILERS
		7			William State	
NSDGT9021FRH Gas Nailer	NSD9021	NSD9021 NSDPL22130 NSDRN2275		NSDPP38/40 THE ELIMINATOR Gas Nailer		NSDCN75 NSDCN65S-3
	Amigo/Amiga		Camarada		Compadre	Rollo
Hitachi NR90GR	Hitachi NR83A2, NR83A, NR83A2S, NR90AC, NR90AC3, NR90AE, NR90GR		Hitachi NR83AA3		Hitachi NV75AG, NV65AH (Sheet Coil Only)	Hitachi NV83A2 (WC)
	Bostitch F21PL, F21PL2, N88RH, N90RHN, N95RHN, RN90		Bostitch F33PT		Bostitch N63-1, N66-1, N75C-1	Bostitch N70C,N70CB, N75C- 1, N80C, N80CB-1, N86C, N89C-1, N100C
Senco GT90FRH	Senco SN902XP, SN60, SN65, SN65C, FramePro: 600 FRH, 602, 652, 702XP, 752XP		Senco SN901XP, 701XP	Senco GT90CH	Senco SCN65XP	Senco PalletPro70,83,90
Max GS683RH-EX	Max SN883RH, SN80, SN90, SN890RH, GS683RH, GS683RH-EX		Max SN883CH/34	Max GS683CH-EX	Max CN550S, 565, 565S	Max CN70, Max CN80, CN80F, CN890II, CN8900S, CN100, HN75, HN90

BNS are guaranteed to work correctly in all UFO Ballistic NailScrew® Drivers. Although our products have been tested in many other compatible nailers and found to work well, UFO is not guaranteeing the performance of our NailScrews® in any of the listed nailers. We recommend testing a sample prior to starting your project.

Compatible Nailers



2	0° / 22° NAILERS		30° / 34°	NAILERS	15° NAILERS		
					With the state of		
NSDGT9021FRH Gas Nailer	NSD9021	NSDPL22130 NSDRN2275	NSDPP38/40 THE ELIMINATOR™	NSDGT9034FRH Gas Nailer	NSDCN65S NSDCN65SP	NSDCN75 NSDCN65S-3	
	Duo-Fast DF350S, NSP-350F1, NSP-350F2						
	Paslode 5325 SRH, 5350 SRH-20		Paslode F250S-PP	Paslode CF325	Paslode 4275/CN70, F275C, P275C	Paslode F325C, P350C, 5325/CN80	
	Porter Cable FR350A or FR350MAG		Porter Cable FC350A			Porter Cable Coil350	
	DeWalt D51850, D51844, D51845					DeWalt D51855	
	Spotnails NPR90, YPR90		Spotnails YTD90		Spotnails UCNM65	Spotnails ZCN70, YCN83	
	Interchange NSR83-21, NSR83-21SPS	Applicate N. 10 annu @ D	Interchange NSC83-34, NSJH64-34		Interchange CN565-15	Interchange CN70-15, CN80-15	

BNS are guaranteed to work correctly in all UFO Ballistic NailScrew® Drivers. Although our products have been tested in many other compatible nailers and found to work well, UFO is not guaranteeing the performance of our NailScrews® in any of the listed nailers. We recommend testing a sample prior to starting your project.

Tools/Applications



	20°- 22° NAILERS			30°- 34°	NAILERS	15° NAILERS	
APPLICATIONS	NSDGT9021FRH Gas Nailer	NSD9021	NSDPL22130	NSDPP38/40 THE ELIMINATOR™	NSDGT9034FRH Gas Nailer	NSDCN65S NSDCN65SP	NSDCN75 NSDCN65S-3
CRATING / PALLETS / CONCRETE FORMS	✓	✓		✓	✓	✓	✓
DECKS / DOCKS	✓	✓	✓	✓	✓	✓	✓
DRYWALL						✓	✓
FENCING	✓	✓				✓	✓
FIBER-CEMENT SIDING	✓	✓				✓	✓
FIBERGLASS- BACKED GYPSUM SHEATHING	✓	✓				✓	✓
HIDDEN DECK SYSTEMS METAL ROOFING /				✓	✓		
SIDING							
MULTI-PLY TRUSSES	V	V	•			✓	V
ROOF DECKING	√	√					✓
STEEL DECKING				\checkmark	\checkmark	\checkmark	\checkmark
SUBFLOOR / SHEATHING	✓	✓				✓	✓
TILE ROOFING							
TIMBER FRAMING/ BRIDGE BUILDING / POLE BARNS			✓				
UNDERLAYMENT	✓	√		1	✓	√	√

Special Order Items



Most NailScrews® can be special ordered to match colors. Special orders must be made in larger quantity. Our most common special order items are listed below:

305 Stainless Steel Combo Trim (Star) Head								
Part Number	Length	Diameter	Head	#/Case	Cases/ Skid	200000000000000000000000000000000000000		
SSHDNS200113TH°	2" (50 mm)	.113	T-15	1,000	100			
SSHDNS214113TH°	21/4"	.113	T-15	1,000	100			
SSHDNS212113TH°	2½" (65 mm)	.113	T-15	1,000	100	B		
SSHDNS300120TH	3" (75 mm)	.120	T-15	1,000	100			

Special Order Item Only

305 Stainless Steel Robertson® Square Drive Flat Head								
Part Number	Length	Diameter	Head	#/Case	Cases/Skid			
SSHDNS200113SQ [☉]	2"	.113	#2 SQ	1,000	100			
SSHDNS214113SQ [☉]	21/4"	.113	#2 SQ	1,000	100			
SSHDNS212120SQ	2½"	.120	#2 SQ	1,000	100	manual dala dala dala dala dala dala dala d		
SSHDNS300120SQ	3"	.120	#2 SQ	1,000	100			

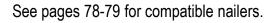
For use near salt water or brackish water, PT decking, Cedar, Redwood, and coastal applications.

Special Order Item Only

Bulk Deck Tile Flat Head								
Part Number	Length	Diameter	Head	#/Bag	Bags/Case	#/Case		
BULK034113YZPH [©]	3/,"	.113	#2 PH	200	10	2,000		

Perfect for use with EcoShield™ and other Deck Tiles. Color options available.

Special Order Item Only



UFO ScrewBolt™





Universal Fastener Outsourcing Presents:

UFO ScrewBolt™

You can now "Screw In Your Bolts!"

Install these innovative SELF-DRILLING bolts with a star or hex impact driver! Save TIME and LABOR. Knock off the self-drilling screw tip and install a washered nut.

Coated with PPG Coating for ACQ lumber.



Screw the UFO ScrewBolt[™] In

2 Knock Off the Screw Tip

Secure the Bolt With a Washered Nut

Washered nuts included in the pail!



Usable Bolt Lengths (after screw tip is snapped off) in inches: 3-1/2, 5, 5-1/2, 7, 7-1/2, 8, 9, 10, 12, 13 T40 Star Head or Hex Head - All 5/16" Diameter See Test Data at www.911-Nails.com!

www.911-Nails.com - 1-800-352-0028

Design Allows You to SNAP Off After Installing!



Self Drilling Screw Thre

UFO ScrewBolt™



UFO ScrewBolt™

Available Sizes

Star Head T40 bit in the bucket.



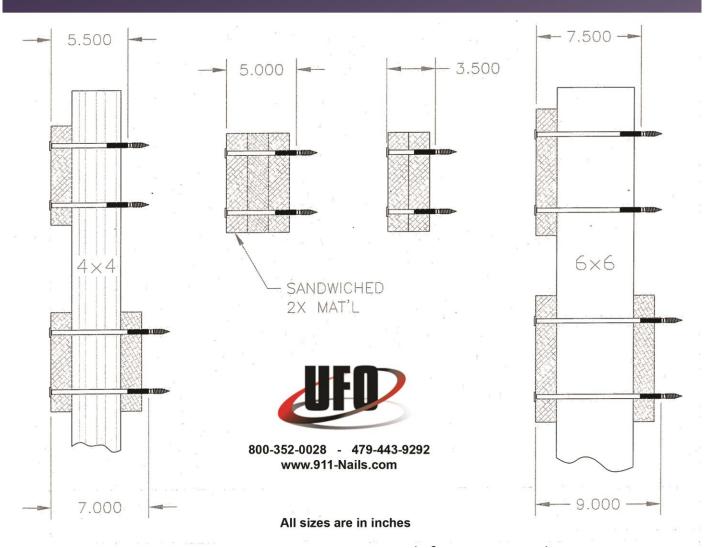
Hex Head (same specs)

Part No.	Packaged	Length	Weight (lb)	Part No.
SB312-5000	250/Pail	5"	32	
SB312-5500	250/Pail	5-1/2"	34	
SB312-7000	250/Pail	7"	41	SBH312-7000

SB312-7500 250/Pail 7-1/2" 43

1/2" Diameter Carriage Bolt	Testing Data	5/16" Diameter UFO ScrewBolt
0' 1 01 0 0 '1 /11 000		0' 1 01 0 0 1 1 1 1 004

Single Shear Capacity (lb): Single Shear Capacity (lb): Double Shear Capacity (lb): Double Shear Capacity (lb): Fastener Yield Strength (psi):160,000 Fastener Yield Strength (psi):60,000



Research & Development



Extensive tests are performed on our products to ensure quality and performance. Products are tested in a variety of materials such as steel, composite, PVC, treated lumber, and multiple types of hard and exotic woods.







Our NailScrews® are also tested in many environmental elements. For example, a test of refrigerated composite decking and frozen composite decking was performed to ensure the performance of Ballistic NailScrews® where the decking may be exposed to excessive cold temperatures during installation.







We also put our designs through tests for strength and durability to ensure professional quality installation with the stability you require.

As Ballistic NailScrew® Designers, we make fasteners for many applications and environments of all kinds. We use the best coatings, designs, and pneumatic tool knowledge to give the installers a great product. Our goal: *Easy to drive; Handy to remove.* Hope you enjoy them.

Notes



Universal Fastener Outsourcing, LLC

800-352-0028

479-443-9292

911-Nails.com



Drive them in,

Screw them out!