



**THE FASTER SCREW.
THE STRONGER NAIL.**

QUICKLY DRIVEN – EASILY REMOVED:



MORE PRODUCTIVITY

The word **SCRAIL**® is a compound of the terms *screw* and *nail*, because **SCRAIL**® nail screw fasteners combine the benefits of both fastening methods: quick processing, maximum holding power and complete flexibility.

MINIMUM TIME, MAXIMUM HOLDING POWER

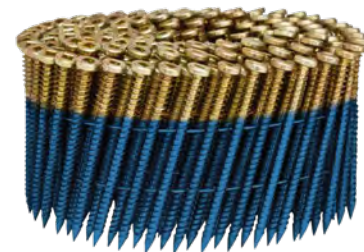
SCRAIL® nail screw fasteners are rapidly driven into boards using a common pneumatic nailing tool. **SCRAIL**® achieves approx. 80 % and more of the holding power of a screw due to its thread.

FLEXIBILITY WHENEVER YOU NEED IT

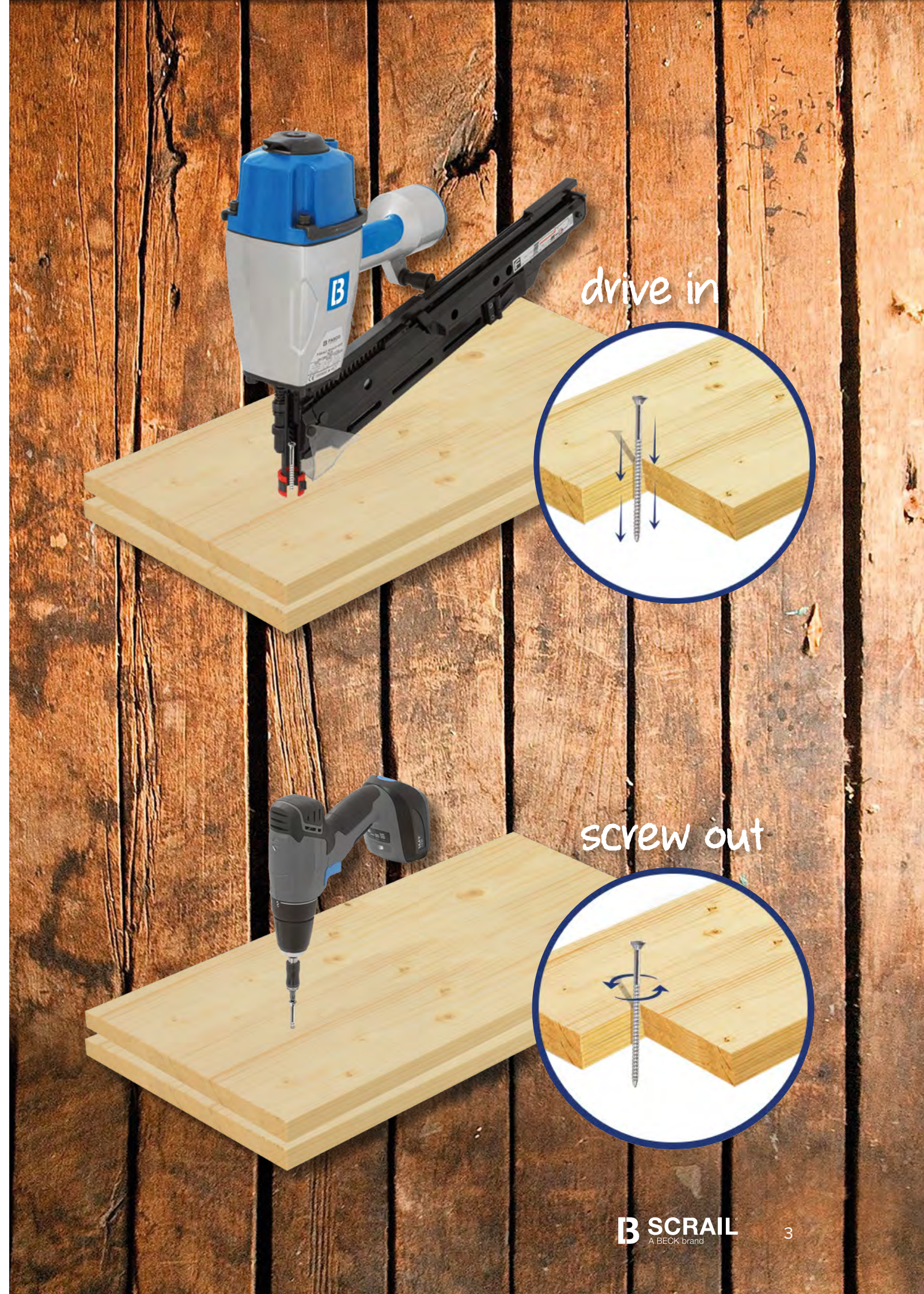
Its adjustability gives it an additional advantage over magazine-loaded nails. After placement, **SCRAIL**® nail screw fasteners are still adjustable and removable.

WHY SCRAIL®?

- Compatible with common pneumatic nailing tools¹⁾
- Twice as fast to use than collated screws
- Eight times faster to use than bulk screws
- Saves time and labour costs
- Can be used for almost all screw applications
- Easily installed, quickly removed
- Dramatically increased holding power versus nails
- **SCRAIL**® – used successfully since 1998



¹⁾ Excluding **SCRAIL**® ROOFLOC® and **SCRAIL**® INVISIDECK®



EXTREMELY VERSATILE

FOR PRACTICALLY EVERY SCREW-FASTENING APPLICATION.



Roofing



Subflooring



Siding



Decking



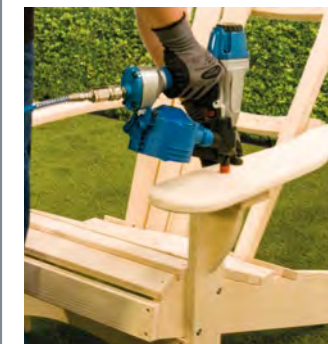
Pallets & Crates



Fencing



Outdoor furniture



SCRAIL® AT A GLANCE

DISCOVER THE VERSATILITY.



Fine thread

Inside Ø 2.8 mm
Outside Ø 3.2 mm

For best withdrawal values.



Coarse thread

Inside Ø 2.8 mm
Outside Ø 3.5 mm

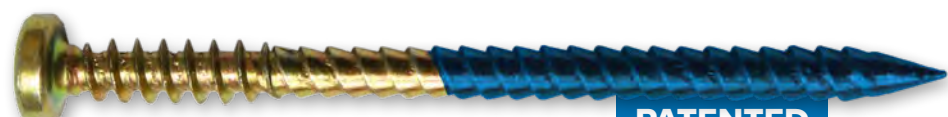
Provides best removal performance.



SCRAIL® STEELTHREAD

Inside Ø 2.8 mm
Outside Ø 3.2 mm

Extremely high holding power in steel profiles up to a thickness of 1.6 mm and aluminium profiles of up to 2.5 mm.



SCRAIL® SUBLOC® PRO

Inside Ø 2.8 mm
Outside Ø 3.2 mm

Aggressive double threads in combination with **DIAMOND COATING** for squeakless subfloors.



SCRAIL® SPLITLESS

Inside Ø 2.8 mm | Outside Ø 3.2 mm
Inside Ø 2.9 mm | Outside Ø 3.3 mm



Fine Thread **SCRAIL®** with a blunt “splitless” diamond point and **DIAMOND COATING** for splitless wood-working.



SCRAIL® STRUCTURAL

Inside Ø 3,8 mm
Outside Ø 4,2 mm

Withstands high shear forces in wood-to-wood applications.



SCRAIL® ROOFLOC®

Inside Ø 3.8 mm
Outside Ø 4.2 mm

SteelThread thread with UV resistant EPDM washer and superior corrosion resistance.





DRIVE TYPES



Star (Torx®)



Versa



Square



Phillips®



Pozi (Pozidrive®)

COLLATION TYPES



20° + 33° Plastic Strip



0° + 15° Plastic Sheet Coil



15° Wire Coil



15° + 20° Plastic Rope Coil



20° Plastic Coil Marathon



15° Mini-Sheet Coil



DIN EN 14592: All **SCRAIL®** nail screw fasteners (bright, **FasCoat®**, electro-galvanized and stainless) with diameters of 2.50 mm and 2.80 mm have a CE marking according to DIN EN 14592 and comply with requirements of Eurocode 5. We would be pleased to provide you with the corresponding documentation if required.



DIN EN 14566: Some **SCRAIL®** nail screw fasteners have a CE marking compliant with DIN EN 14566 "Mechanical fasteners for gypsum plasterboard systems" and are, therefore, officially suitable for this area of application. We would be pleased to provide you with the corresponding documentation if required. We would also be glad to share this glossary with you, by separate agreement.



ASTM 1667:

We manufacture our **SCRAIL®** fasteners in accordance with requirements of ASTM 1667 specifications. We would be happy to provide you with detailed information in person.



IAPMO Report #406 + #344:

The **SUBLOC® PRO SCRAIL®**, designed for subflooring applications, is officially IAPMO code approved (IAPMO Group) for North America.

Torx®, Phillips®, Pozi (Pozidrive®) and IAPMO® are all trademarks of their respective owners.

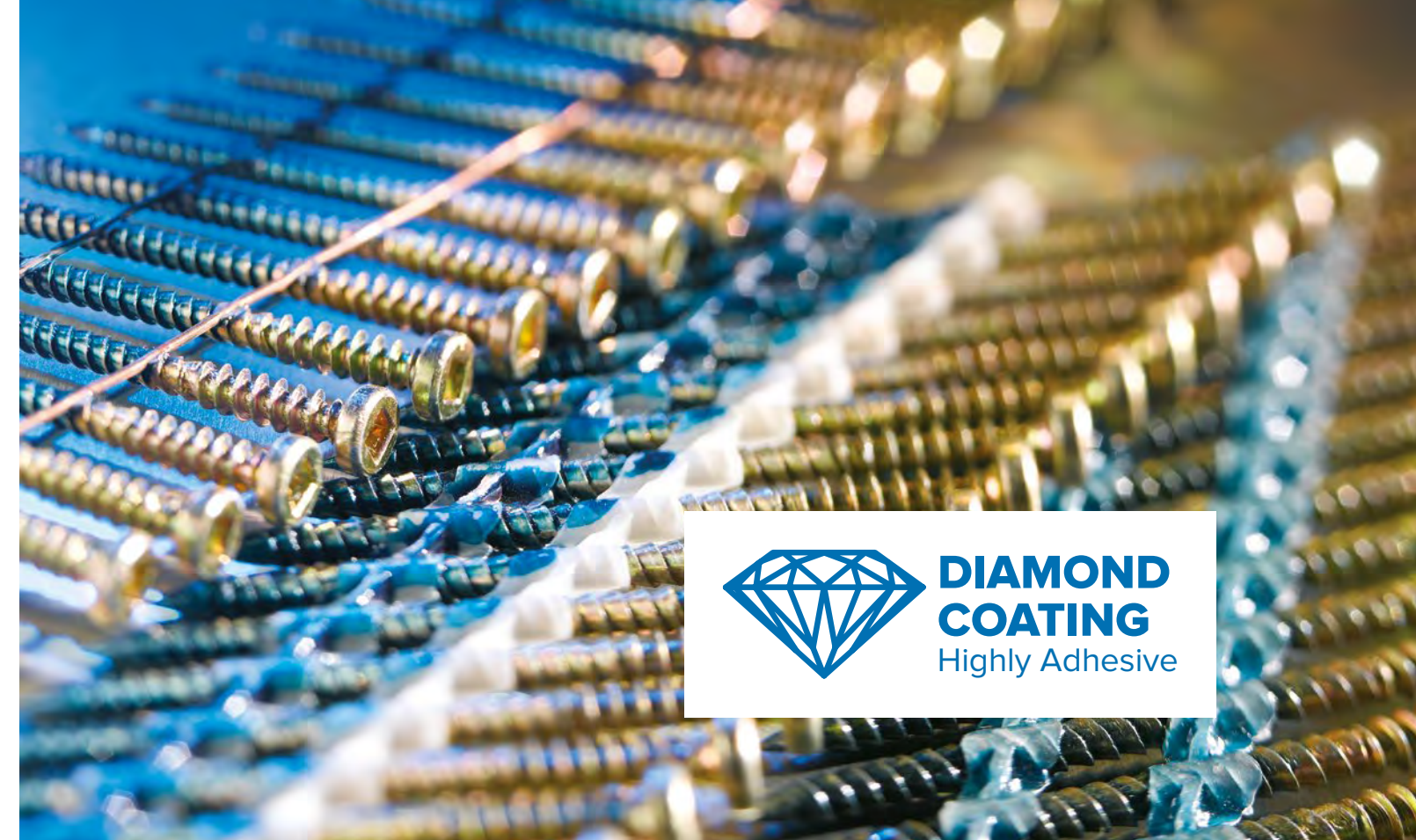
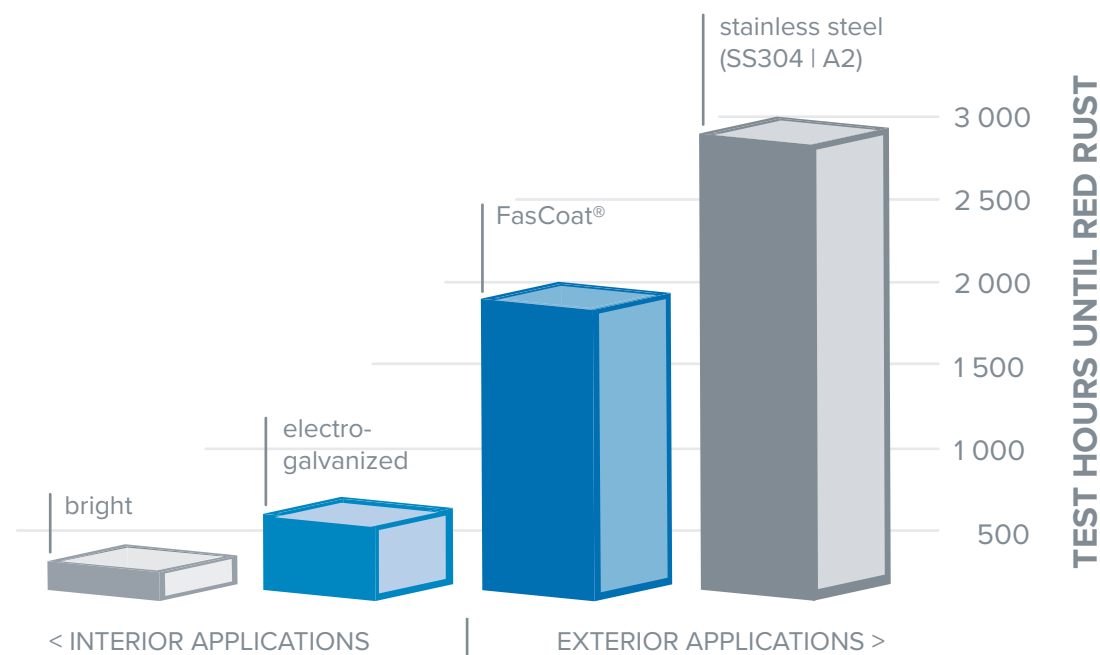
FINISHES

- bright
- electro-galvanized
- stainless steel (SS304, SS316 | A2 and A4)
- coloured (more than 2,000 colours available)

▪ FasCoat® – cost-efficient Corrosion Protection

ASTM B117 and ISO 3231-compliant Salt Spray Testing

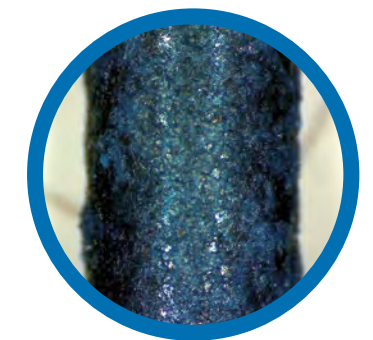
ASTM B117 and ISO 3231 Kesternich tests by recognised, leading and independent laboratories in the USA and Europe, confirm that **FasCoat®** can withstand salt spray for up to 2,000 hours and more before showing the first signs of red rust.



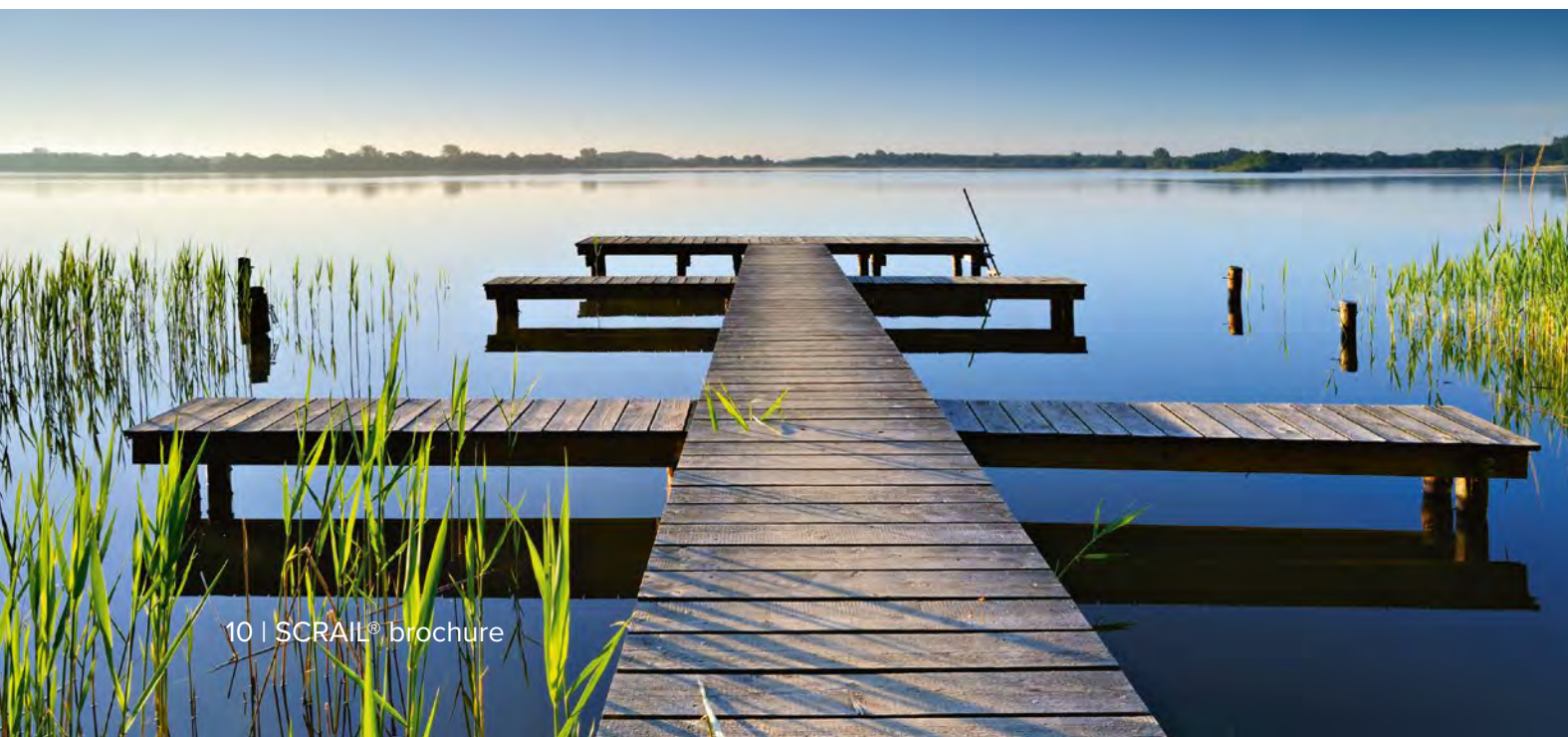
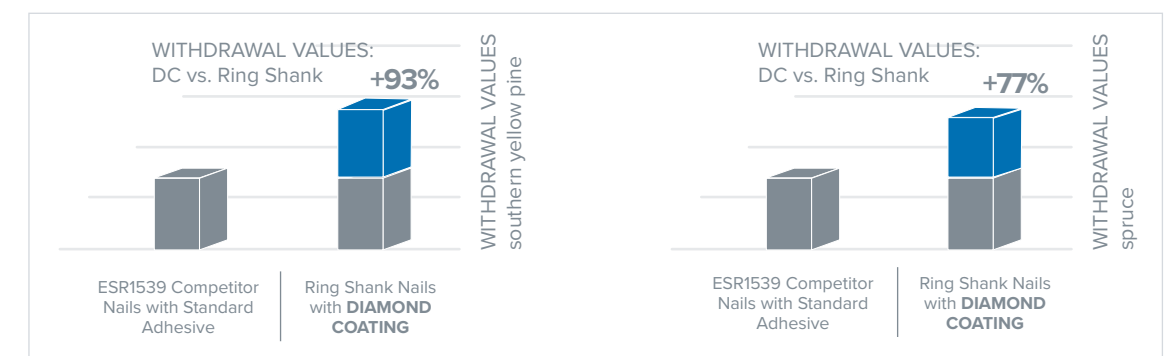
DIAMOND COATING

BETTER WITHDRAWAL VALUES, LESS DRIVE-IN RESISTANCE

The **BECK DIAMOND COATING** is a polymeric binder made of resins and fillers. The drive-in heating causes the resins to melt and act as a lubricating film. After the driving process they solidify again and develop adhesive properties. The microscopic fillers ensure an even distribution of the Diamond Coating on the fastener over the entire driving depth.



- Drastically increased holding power: + 20 % and more
- Reduced drive-in resistance: up to - 10 %
- Significantly longer installation tool service life - protects device components



SCRAIL® SUBLOC® PRO

FOR SQUEAKLESS SUBFLOORS

SCRAIL® SUBLOC® PRO enables quick and uncomplicated floor and subfloor installation and, thanks to its special thread, ensures that subfloors will continue to withstand loads even years later without creaking or squeaking.



DRIVE TYPES:

Square, Torx®

The upper thread engages in the base plate and holds it in position when the wood shrinks.

The seamless transition between the thread types prevents the floor plates from moving and causing annoying noises.

FINISHES:

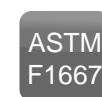
bright, electro-galvanized, FasCoat®

The patented **DIAMOND COATING** significantly increases the holding power (for more information, see p. 19).



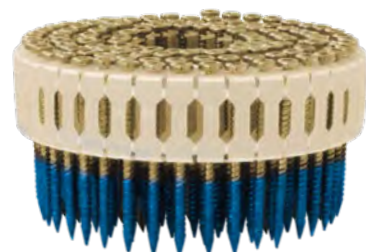
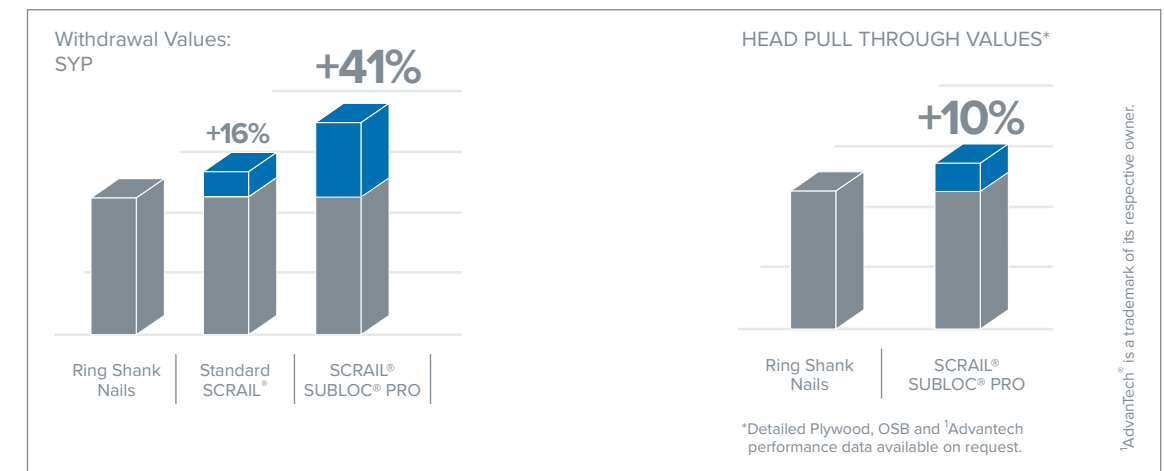
COLLATION TYPES:

Plastic Strip SCRAIL®, Wire Coil SCRAIL® and Plastic Sheet Coil SCRAIL®

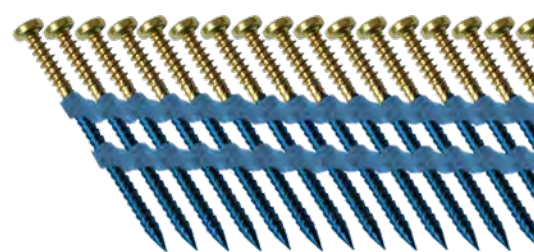
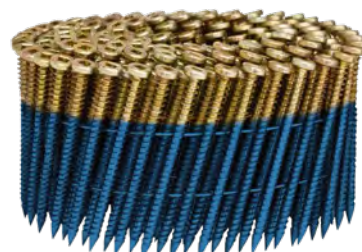


MAXIMUM HOLDING POWER

In a direct comparison to ring shank nails, **SCRAIL® SUBLOC® PRO** impresses with 40 % more holding power, tested in pine wood. This is attributable to the special thread in combination with **BECK DIAMOND COATING**.



12 | SCRAIL® brochure





SUPERIOR HOLDING POWER & CORROSION PROTECTION

The patented **SCRAIL® ROOFLOC®** provides excellent holding power of 2,500 Newton (560 lbs) and more.

The UV-resistant EPDM sealing washer protects the underlying wood from moisture penetration and can be used in a temperature range of -40 °C to +120 °C.

This is also confirmed by the leak-tightness test conducted by the VHT test institute for timber and drywall construction; see test report PB-833_5-16-Beck-170329, dated March, 29, 2017.

The **SCRAIL® ROOFLOC®** is manufactured in stainless steel (A2) and standard steel with a **BECK FasCoat®** coating to meet various corrosion resistance requirements. Different colours are also available upon request.



DRIVE TYPE:

Hexagon (HEX)

EPDM SEALING WASHER:

Resistant to cold and heat (-40 °C to +120 °C)
- outstanding resistance to ultraviolet (UV) radiation

THREAD:

SteelThread (patented)

PATENTED

COLLATION TYPE:

0° Plastic Sheet Strip

FASCOAT®:

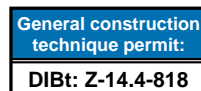
Holds up to 2,000 hours or longer until the first signs of red rust in salt spray and Kesternich tests



F58AC ROOFLOC-75

Air-driven ROOFLOC® installation tool by FASCO®

SCRAIL® ROOFLOC®



FOR METAL ROOF FASTENING APPLICATIONS

The **SCRAIL® ROOFLOC®** system was developed by BECK for the quick and efficient installation of trapezoidal sheet metal roofs and façades. The resulting increase in performance is around 100 % and more. The **SCRAIL® ROOFLOC®** is pneumatically driven with the **SCRAIL® ROOFLOC®** installation tool by **FASCO®** and can be completely unscrewed for repair work.

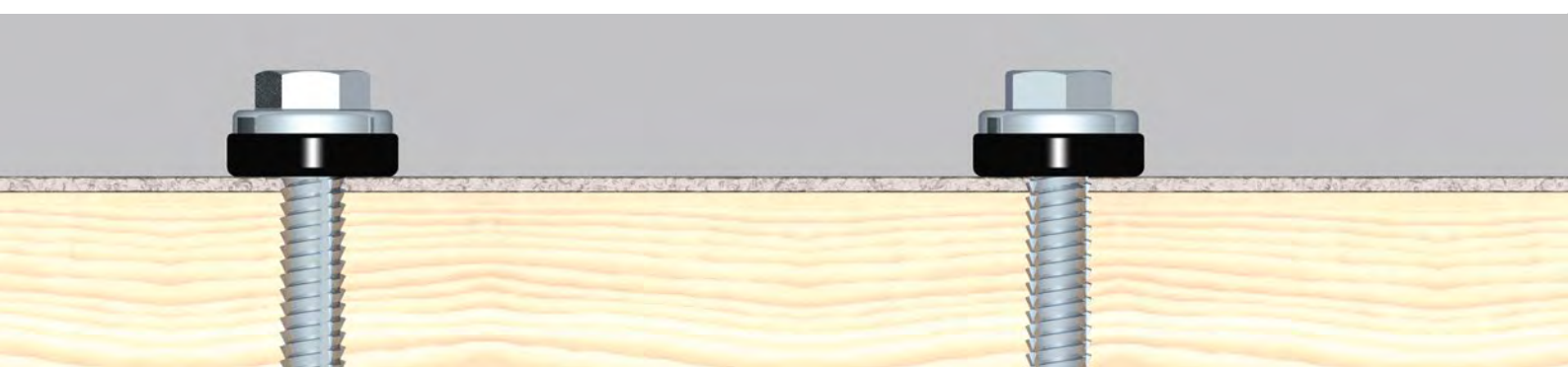


Fig.1: Plastic strip collated **SCRAIL® ROOFLOC®**



Fig.2: **SCRAIL® ROOFLOC®** painted



Fig. 3: Wood moisture measurement after leak-tightness test



SCRAIL® STEELTHREAD

FOR LIGHT GAUGE STEEL CONSTRUCTION

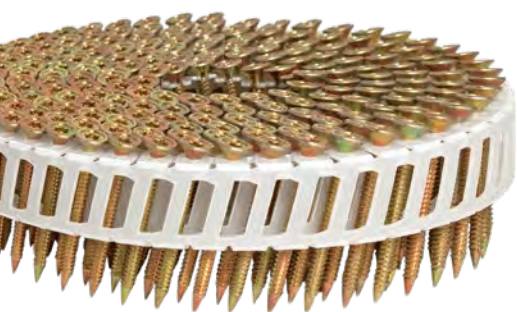


DRIVE TYPE:
Phillips®

PATENTED

THREAD TYPE:
SteelThread (patented)

COLLATION TYPE:
15° Plastic Sheet Coil

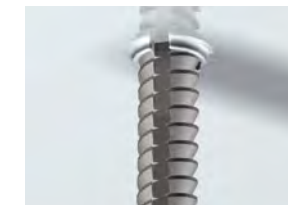


SCRAIL® STEELTHREAD ENSURES YOUR TIME ADVANTAGE

The patented special thread enables excellent holding power in profiles from 1.0 to 1.6 mm thickness as well as subsequent unscrewing or readjustment without damaging the material.



The **SCRAIL® STEELTHREAD** is driven in like a collated nail through plasterboard or wood into sheet metal with a pneumatic tool.



Three longitudinal grooves in the thread ensure controlled material displacement in the sheet metal profile as the fastener is driven in.



The special fine thread anchors the **SCRAIL® STEELTHREAD** firmly to the sheet metal profile thus providing enormous holding power.



The protrusions in the entry hole also ensure that the **SCRAIL® STEELTHREAD** can be adjusted and unscrewed.

Deck board thickness:
10 – 25 mm
(gypsum board or wood)

Steel stud thickness:
Steel: 1.0 – 1.6 mm





INVISIDECK® HIDDEN SCRAIL® SYSTEM

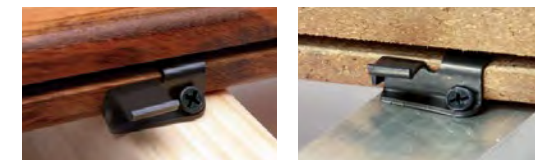
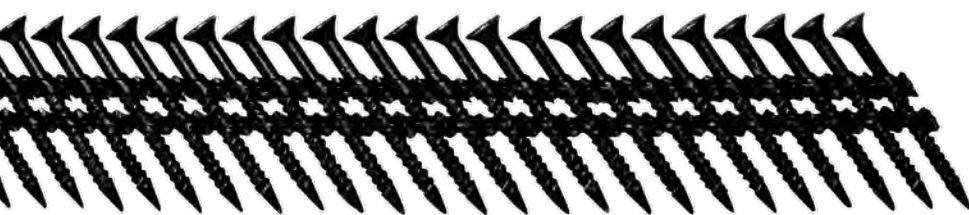
BLIND FASTENING SYSTEM FOR GROOVED BOARD

THE TIME-SAVING WAY TO A DREAM TERRACE

Blind fastening systems are indispensable in modern decking installation. **With the SCRAIL® INVISIDECK®** Hidden system, decking can be installed with no visible or perceptible fasteners in a fifth of the time compared to traditional screw-fastening methods.

SCRAIL® INVISIDECK®

SCRAIL® nail screw fasteners (33° plastic strips) for use with the **SCRAIL® INVISIDECK®** tool. The fastest and most secure blind fastening mechanism for terrace decking. 2.8/3.2 x 38 mm, fine thread, cross-head drive, **FasCoat®**, in black. Suitable for pressure-treated wood.



The system is available for metal and wood substructure.



INVISIDECK® INSTALLATION TOOL

INVISIDECK® installation tool with patent pending nose. Designed for the **INVISIDECK®** I-CLP clip or the TC-G (TC-150) clip.

BENEFITS

- Pneumatic installation – up to 5 times faster than conventional screw-fastening methods
- Stylish terraces with no decking surface damage caused by fasteners
- Easily installed and quickly removed if required
- Suitable for the most common, grooved decking boards on the market
- Can also be used with the **SCRAIL® INVISIDECK®** slot cutter as well as wood composites and hardwoods without grooves



INVISIDECK® I-CLP CLIP

Heavy gauge stainless steel clip for blind installation of grooved decking boards (25 mm or thicker).

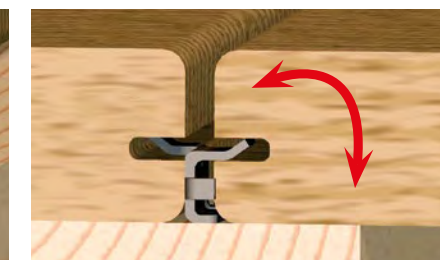


The **SCRAIL® INVISIDECK®** slot cutter allows you to prepare decking boards optimally for further processing with the **SCRAIL® INVISIDECK®** Hidden system.

Step 1: Insert the clip into the decking board groove.

Step 2: Fix the clip to the joist with a **SCRAIL®** nail screw fastener.

Step 3: Place the next board on the clip.



Steps 1 and 2 are done in one step with the **INVISIDECK®** installation tool.



SCRAIL® SPLITLESS

FOR DECKING APPLICATIONS

The **SCRAIL® SPLITLESS** was specially developed for fast installation of high-end decks. It has a blunt point to minimize the splitting of wood. For various requirements on corrosion protection, the **SCRAIL® SPLITLESS** is available in stainless steel or **FasCoat®**.



PATENTED

APPLICATIONS:

Decking with solid wood deck boards
(optimized to work flawlessly in various wood species)

COLLATION TYPES:

Plastic strip **SCRAIL®** and plastic sheet **SCRAIL®**

FINISHES:

stainless steel A2 (SS304) & A4 (SS316), **FasCoat®**

DIAMOND COATING:

The patented **DIAMOND COATING** significantly increases the holding power (more information on page 19).



SCRAIL® STRUCTURAL

WITHSTANDS HIGH SHEAR FORCES

The **SCRAIL® STRUCTURAL** comes into its own under high shear stress in wood-to-wood joints. In addition, the special SteelThread thread with a diameter of 4.2 mm provides tremendous holding power.

COLLATION TYPES:

0° Plastic Sheet Strip

FINISHES:

bright, electro-galvanized, **FasCoat®**

APPLICATIONS:

Crate production, furniture, fences, vehicle production, sound barriers



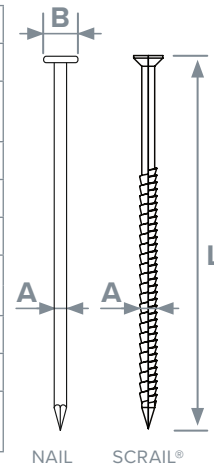
FASCO® SCRAILER

THE PERFECT TOOL FOR EVERY SCRAIL®



F33 CN15W-PS50 SCR

| | | |
|---------------|--|---------------------------------|
| Weight | 4.12 lbs 1,87 kg | |
| Pressure | 70 – 100 psi 5 – 7 bar | |
| Fastener Type | 15° Mini-Sheet Coil Nails, 15° Wire Coil Nails, 15° Mini-Sheet Coil SCRAIL® , 15° Mini-Wire Coil SCRAIL® | |
| A) Diameter | Nails | .063 – .098 inch 1,6 – 2,5 mm |
| | SCRAIL® | .071 – .098 inch 1,8 – 2,2 mm |
| B) Head | Nails | .138 – .197 inch 3,5 – 5 mm |
| L) Length | Nails | 7/8 – 2 inch 22 – 50 mm |
| | SCRAIL® | |
| Capacity | Nails | 200 – 400 |
| | SCRAIL® | 300 |
| Applications | | |

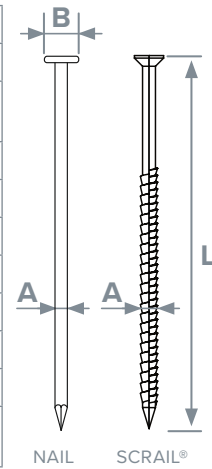


FEATURES:

- Lightweight nailer with sturdy body
- Single shot and contact actuation
- Adjustable safety and depth regulation

F60A CN15W-PS90 SCR

| | | |
|---------------|---|---------------------------------|
| Weight | 8.70 lbs 3.95 kg | |
| Pressure | 70 – 120 psi 5 – 8 bar | |
| Fastener Type | 15° Wire Coil Nails, 15° Plastic Sheet Coil Nails, 15° Wire Coil SCRAIL® , 15° Plastic Sheet Coil SCRAIL® | |
| A) Diameter | Nails | .099 – .150 inch 2,5 – 3,8 mm |
| | SCRAIL® | .113 – .150 inch 2,8 – 3,8 mm |
| B) Head | Nails | .216 – .279 inch 5,5 – 7,1 mm |
| L) Length | Nails | 1 3/4 – 3 1/2 inch 45 – 90 mm |
| | SCRAIL® | 2 – 3 1/2 inch 50 – 90 mm |
| Capacity | Nails | 200 – 300 |
| | SCRAIL® | 200 – 300 |
| Applications | | |

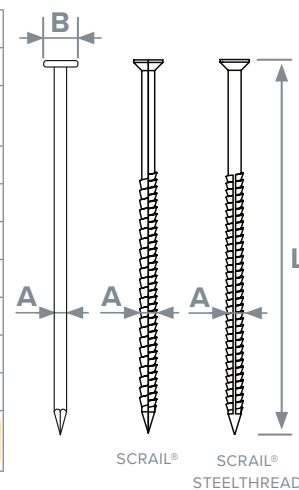


FEATURES:

- Single shot and contact triggering
- Fully pneumatic nail feeding
- Tool-free depth of drive adjustment

F45C CN15W-PS65L S.A. SCR

| | | |
|---------------|---|---------------------------------|
| Weight | 5.52 lbs 2,51 kg | |
| Pressure | 70 – 120 psi 5 – 8 bar | |
| Fastener Type | 15° Wire Coil Nails, 15° Plastic Sheet Coil Nails, 15° Wire Coil SCRAIL® , 15° Plastic Sheet Coil SCRAIL® | |
| A) Diameter | Nails | .098 – .114 inch 2,5 – 2,9 mm |
| | SCRAIL® | .098 – .138 inch 2,5 – 3,5 mm |
| B) Head | Nails | .216 – .279 inch 5,5 – 7,1 mm |
| L) Length | Nails | 1 3/8 – 2 1/2 inch 35 – 65 mm |
| | SCRAIL® | 1 3/8 – 2 1/4 inch 35 – 57 mm |
| Capacity | Nails | 200 – 300 |
| | SCRAIL® | 200 – 300 |
| Applications | | |

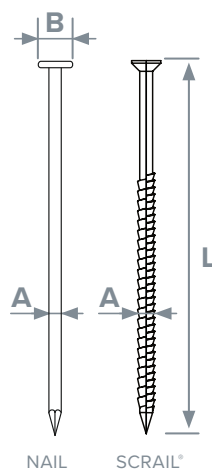


FEATURES:

- Fully pneumatic nail feeding
- Patented single-shot and contact actuation
- Magazine with adjustable bottom steel plate

F44AC CN15W-PS65 SCR

| | | |
|---------------|---|---------------------------------|
| Weight | 5.29 lbs 2,40 kg | |
| Pressure | 70 – 120 psi 5 – 8 bar | |
| Fastener Type | 15° Wire Coil Nails, 15° Plastic Sheet Coil Nails (CN-AG), 15° Wire Coil SCRAIL® , 15° Plastic Sheet Coil SCRAIL® (CN-AG) | |
| A) Diameter | Nails | .091 – .110 inch 2,3 – 2,8 mm |
| | SCRAIL® | .098 – .138 inch 2,5 – 3,5 mm |
| L) Length | Nails | 1 – 2 1/2 inch 25 – 65 mm |
| | SCRAIL® | 1.181 – 2 1/4 inch 30 – 57 mm |
| Capacity | Nails | 200-400 |
| | SCRAIL® | 200-300 |
| Applications | | |



FEATURES:

- Suitable for nails and **SCRAIL®**
- Switchable trigger for single shot and bump fire
- Tool-free depth of drive adjustment

FASCO® SCRAILER

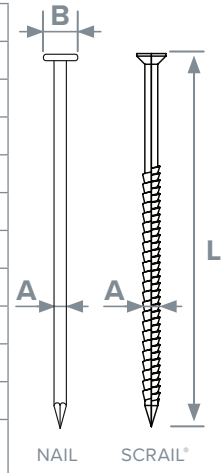
THE PERFECT TOOL FOR EVERY SCRAIL®



20°

F91AC RHN20-160

| | | |
|---------------|--|---|
| Weight | 16.28 lbs 7.39 kg | |
| Pressure | 100 – 120 psi 7 – 8.5 bar | |
| Fastener Type | 20° Plastic Strip JUMBO Nails, 20° Plastic Strip SCRAIL® | |
| A) Diameter | Nails | .150 – .197 inch 3,8 – 5,0 mm |
| | SCRAIL®: | .138 - .165 inch 3,5 - 4,2 mm |
| B) Head | Nails | .315 – .354 inch 8,0 – 9,0 mm |
| | SCRAIL®: | .275 – .354 inch 7,0 – 9,0 mm |
| L) Length | Nails | 4 – 6 3/8 inch 100 – 160 mm |
| | SCRAIL®: | 4, 4 1/2, 6 3/8 inch 100, 115, 160 mm |
| Capacity | Nails | 50 |
| | SCRAIL®: | 50 |
| Applications | | |



FEATURES:

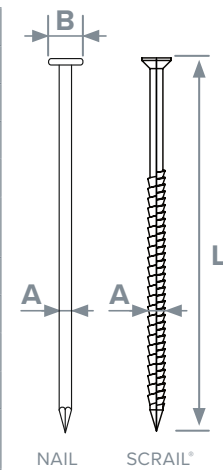
- Good balance and limited recoil
- Dry fire lock-out device
- Double grip

F70G RHN20-90 SCR



17° 20°

| | | |
|---------------|--|---|
| Weight | 7.77 lbs 3.53 kg | |
| Fastener Type | 17°+20° Plastic Strip Nails, 17°+20° Plastic Strip SCRAIL® | |
| A) Diameter | Nails | .114 – .148 inch 2,9 – 3,8 mm |
| | SCRAIL®: | .113 - .138 inch 2,8 - 3,5 mm |
| B) Head | Nails | .275 inch 7,0 mm |
| | SCRAIL®: | Torx®/Star Versa Square Phillips® Pozi (Pozidrive®) |
| L) Length | Nails | 2 – 3 1/2 inch 50 – 90 mm |
| | SCRAIL®: | 2 - 3 inch 50 - 75 mm |
| Capacity | Nails | 32 |
| | SCRAIL®: | 32 |
| Applications | | |



FEATURES:

- Powerful cordless tool for 17° and 20° plastic strip SCRAIL® and nails
- Tool-free depth of drive adjustment
- Rubber comfort grip ensures a non-slip handling

BECK is a family company founded in 1904. Since more than 85 years, BECK is one of the world's leading manufacturers of innovative fastening solutions.

Whether it be developments in response to customer requirements or to keep ahead of the market – innovation is the driving force behind BECK. The company's in-house R&D team searches tirelessly for new solutions to provide BECK customers with greater user comfort and cost-effectiveness.

BECK is now a globally active, family-owned company with sites in Austria, Germany, Italy, Poland and the USA. In the US, BECK is represented by its own distribution company BECK AMERICA.



RAIMUND BECK NAGELTECHNIK GmbH

Raimund-Beck-Str. 1
5270 Mauerkirchen | Austria
P +43 7724 2111-0
sales@beck-fastening.com
www.beck-fastening.com

BECK AMERICA, Inc.

105 Industrial Park Drive
35661 Muscle Shoals, AL | USA
P +1 800 2398665
sales@beck-america.com
www.beck-america.com

FASCO S.r.l. & RAINCO

Via Bruno Buozzi 2
40057 Cadriano di Granarolo Emilia (BO) | Italy
P +39 051 60181
fasco@fasco-tools.com
www.fasco-tools.com



scraifasteners



RAIMUND BECK NAGELTECHNIK GmbH

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