









SCRAIL R NAIL SCREW FASTENERS







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

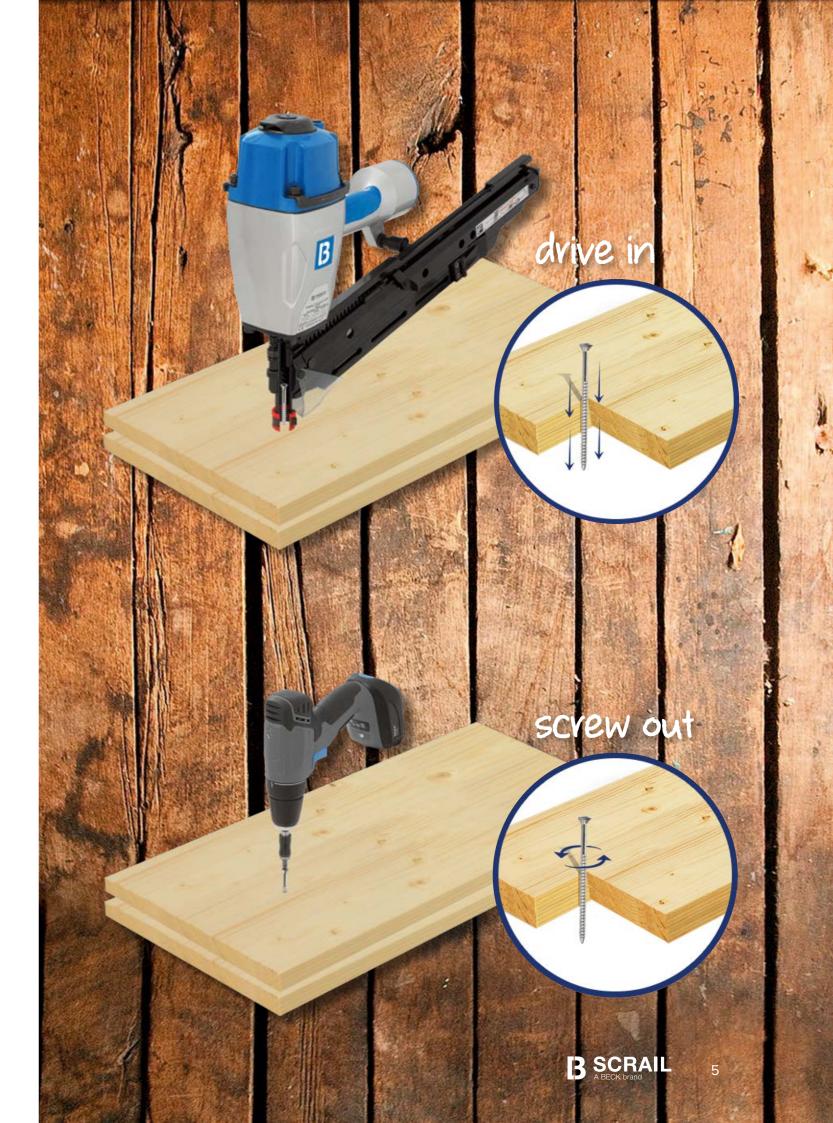
Its adjustability gives it an additional advantage over magazine-loaded nails. After placement, **SCRAIL**® nail screw fasteners are still adjustable and removable.

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



 $^{\text{1}}$ Excluding SCRAIL $^{\text{0}}$ ROOFLOC $^{\text{0}}$ and SCRAIL $^{\text{0}}$ INVISIDECK $^{\text{0}}$



EXTREMELY VERSATILE

FOR PRACTICALLY EVERY SCREW-FASTENING APPLICATION.









Siding



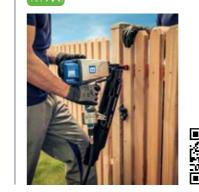






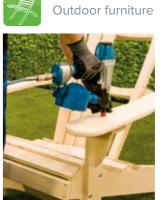






Fencing







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.







inside Ø 2.8 mm outside Ø 3.2 mm

Extremely high holding power in steel and aluminium profile.







SCRAIL® SUBLOC® PRO

inside Ø 2.8 mm outside Ø 3.2 mm

For squeek-free subfloors - with **DIAMOND COATING.**





DIAMOND

COATING







SCRAIL® SPLITLESS
inside Ø 2.8 mm | outside Ø 3.2 mm

inside Ø 2.9 mm | outside Ø 3.3 mm

Blunt point to minimize the splitting of wood.





SCRAIL® STEELTHREAD STRUCTURAL

inside Ø 3.2 mm outside Ø 3.6 mm

For mezzanines and floor cassettes in light metal construction.







SCRAIL® ROOFLOC®

inside Ø 3.8 mm outside Ø 4.2 mm

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









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

DRIVE TYPES











Star (Torx®)

Vers

quare

Philli

Pozi (Pozidrive®)

STANDARDS



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.

10 | SCRAIL® brochure

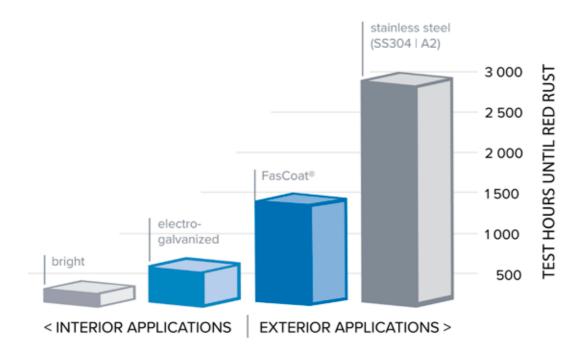
FINISHES

- 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.







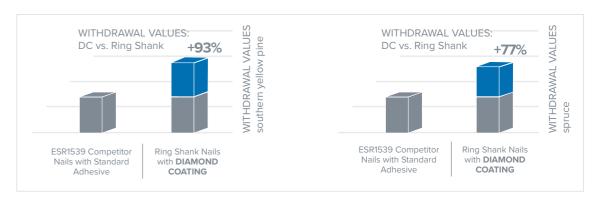
DIAMOND COATING

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.



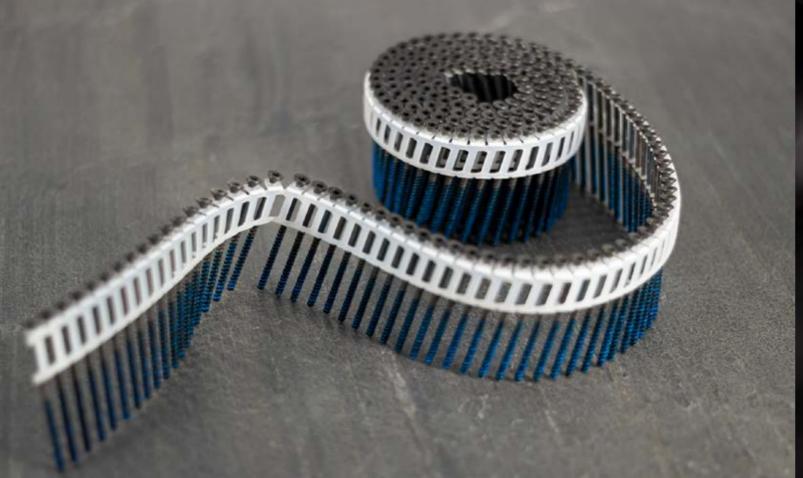
- Drastically increased holding power: + 20 % and more
- Reduced drive-in resistance: up to 10 %
- Significantly longer installation tool service life protects device components



The extraction tests were conducted by US testing laboratory INTERTEK.

All results can be found in test report 101817982MID-001A, dated 31 March 2015.





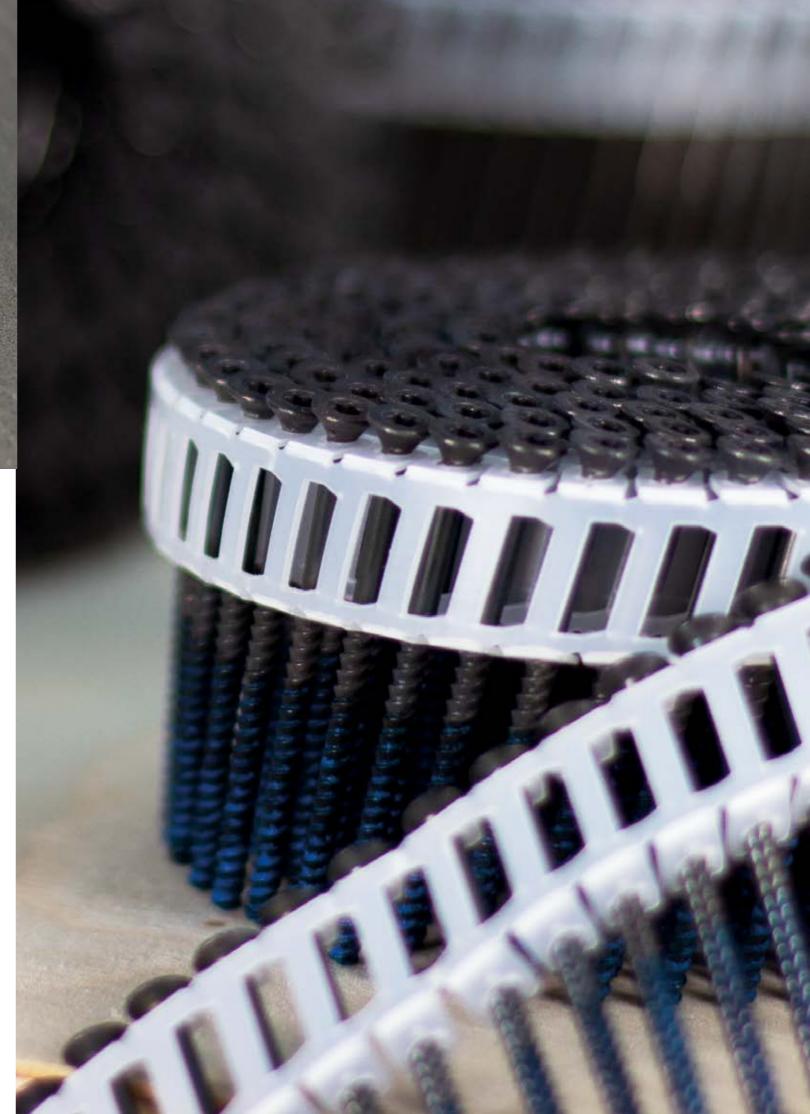
BLACK OXIDATION

THE NEW COATING

Black oxidation is a new surface treatment for all stainless steel SCRAIL® and nails made by BECK. Nickel atoms on the surface of the stainless steel are chemically oxidized at a temperature of 130°C, which turns the surface black and ensures several advantages. Black oxidized SCRAIL® and nails are ideal for natural wood façades and decking, which darken significantly, which avoids reflections that occur with normal stainless steel products.

- The resulting layer is resistant to bending and abrasion
- The surface is wipe-proof and resistant to alkaline solutions
- An even black layer is formed
- Layer thickness of less than 1 μm
- Good adhesion of the oxide layer





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.



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®**





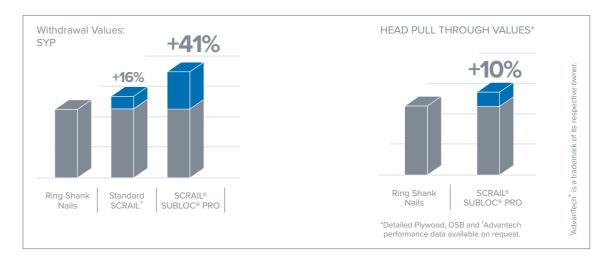






MAXIMUM HOLDING POWER

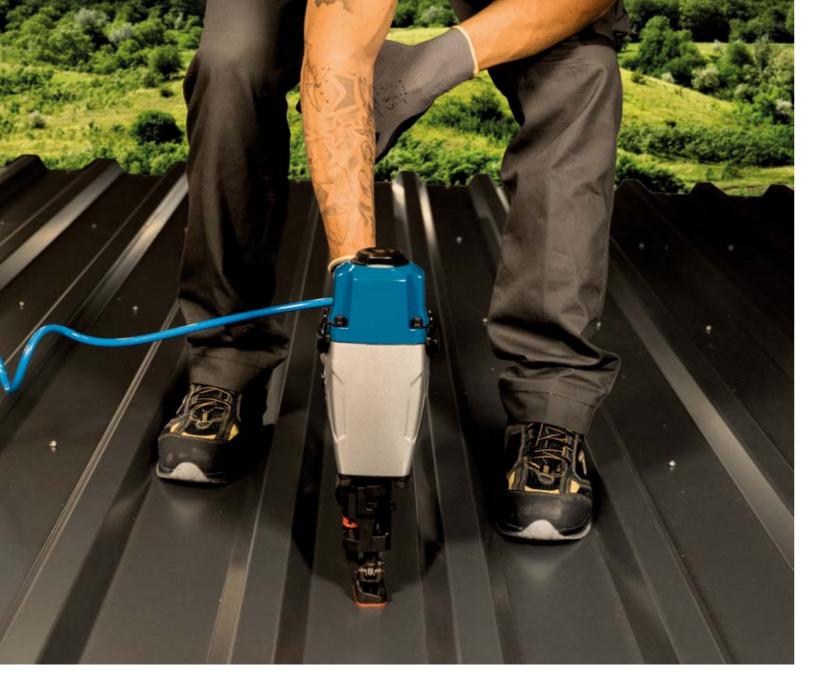
In a direct comparison to ring shank nails, **SCRAIL® SUBLOC® PRO** impresses with 40 % more holding power, tested in pine wood. This is attributable to the special thread in combination with **BECK DIAMOND COATING**.











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.

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®



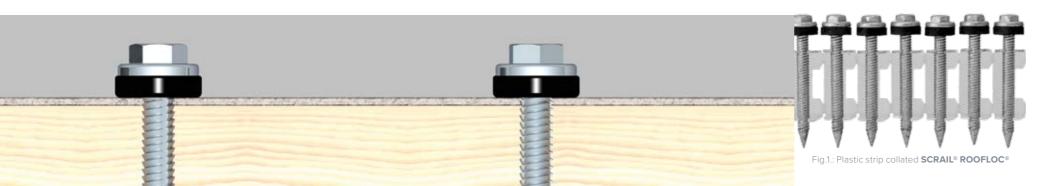






Fig.2: SCRAIL® ROOFLOC® painted

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

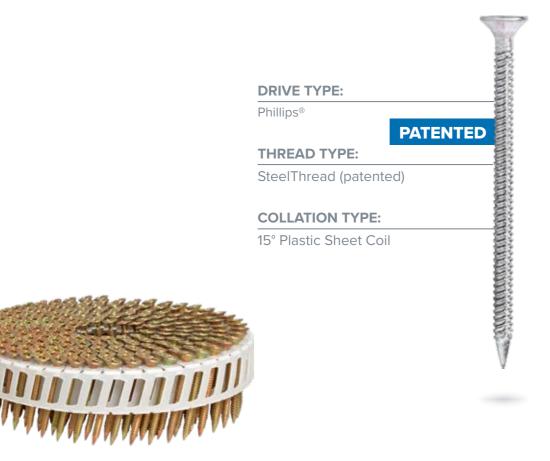


SCRAIL® STEELTHREAD (EN 14566) ASTM F1667





FOR LIGHT GAUGE STEEL CONSTRUCTION

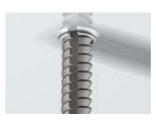


SCRAIL® STEELTHREAD ENSURES YOUR TIME ADVANTAGE

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



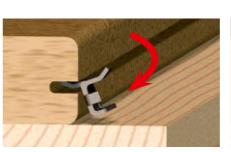
INVISIDECK® I-CLP CLIP

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.

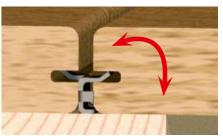




Step 2: Fix the clip to the joist with **Step 3:** Place the next a **SCRAIL®** nail screw fastener.



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 highend 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®**.

APPLICATIONS:



COATING

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 ps	70 - 100 psi 5 - 7 bar		₩ 🛣
Fastener Type		eet Coil Nails, 15° Wire Coil Nails, eet Coil SCRAIL ®, 15° Mini-Wire Coil SCRAIL ®		
A) Diameter	Nails	.063098 inch 1,6 - 2,5 mm		
	SCRAIL®:	.071 – .098 inch 1,8 – 2,2 mm		
B) Head	Nails	.138197 inch 3,5 - 5 mm		摄
L) Length	Nails	7/8 – 2 inch 22 – 50 mm		▲ 増
	SCRAIL®:	770 - 2 111011 22 - 30 11111	A	A #
Capacity	Nails	200 – 400		
	SCRAIL®:	300		
Applications			A	Ψ _Ψ
			NAIL	SCRAIL®

FEATURES:

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

F45C CN15W-PS65L S.A. SCR



Weight	5.52 lbs 2,51 kg			B∣₄	-				
Pressure	70 – 120 psi 5 – 8 bar			₽	5	7	abla		-
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				<u> </u>			
	SCRAIL®:	.098 – .138 inch 2,5 – 3,5 mm			Ì	Ħ	朤		
B) Head	Nails	.216 – .279 inch 5,5 – 7,1 mm			}				
L) Length	Nails	1 3/8 – 2 1/2 inch 35 – 65 mm	Δ		^	Ħ	▲ 購		-
	SCRAIL®:	1 3/8 – 2 1/4 inch 35 – 57 mm	A>	-	A		A #	€	
Capacity	Nails	200 – 300			}	Ħ	鸓		
	SCRAIL®:	200 – 300			\$		噩		
Applications			1	V		V RAIL®	SCRA	_ ▼	-
FEATURES:			-				STEELTH	IREA	AD

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



F60A CN15W-PS90 SCR



Weight	8.70 lbs 3.	95 kg	→B	←
Pressure	70 – 120 psi 5 – 8 bar			
Fastener Type		il Nails, 15° Plastic Sheet Coil Nails, il SCRAIL ®, 15° Plastic Sheet Coil SCRAIL ®		
A) Diameter	Nails	.099150 inch 2,5 - 3,8 mm		
	SCRAIL®:	.113150 inch 2,8 - 3,8 mm		掛
B) Head	Nails	.216279 inch 5,5 - 7,1 mm		掛 │
L) Length	Nails	13/4 - 31/2 inch 45 - 90 mm		▲
	SCRAIL®:	2 - 3 1/2 inch 50 - 90 mm	A	· A
Capacity	Nails	200 – 300		選
	SCRAIL®:	200 – 300		
Applications			NAIL	▼ SCRAIL®

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

F44AC CN15W-PS65 SCR



Weight	5.29 lbs 2	,40 kg	B	•		
Pressure	70 – 120 psi 5 – 8 bar			•	₩ 4	<u> </u>
Fastener Type		il Nails, 15° Plastic Sheet Coil Nails (CN-AG), il SCRAIL®, 15° Plastic Sheet Coil SCRAIL® (CN-AG)				
A) Diameter	Nails	.091 – .110 inch 2,3 – 2,8 mm			Щ	
	SCRAIL®:	.098 – .138 inch 2,5 – 3,5 mm			選	
L) Length	Nails	1 – 2 1/2 inch 25 – 65 mm				
	SCRAIL®:	1.181 – 2 1/4 inch 30 – 57 mm	^		m I	-
Capacity	Nails	200-400	A	+ A >		
	SCRAIL®:	200-300			選	
Applications			\mathbb{A}		₩	"
FEATURES:			NAIL	SC	CRAIL®	

- Suitable for nails and SCRAIL®
- Single shot and contact actuation
- Tool-free depth of drive adjustment

FASCO® SCRAILER

THE PERFECT TOOL FOR EVERY SCRAIL®

NEW! Also available with lower cap and lower weight.



F58AC CHN33-90B SCR



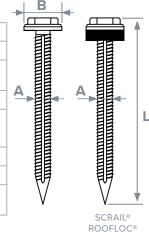
FEATURES:

- Patented ergonomic design
- Lightweight combined with high power
- Single shot and contact actuation
- Depth control



F58AC ROOFLOC-75

Weight	9.1 lbs 4,13 kg
Pressure	100 – 120 psi 7 – 8 bar
Fastener Type	0° Plastic Sheet Strip SCRAIL® ROOFLOC®, SCRAIL® STRUCTURAL
A) Diameter	0.148 - 0.165 inch 3,8 - 4,2 mm
B) Head	0.400 inch (C WRENCH: 1/4") 10,1 mm (C WRENCH: 6,3 mm)
L) Length	11/2 inch & 21/2 inch & 3 inch 37 mm & 63 mm & 75 mm
Capacity	30 SCRAIL® ROOFLOC®
Applications	



B FASCO® A BECK brand

FEATURES:

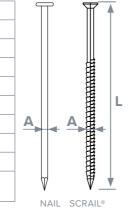
- Specialty tool for metal roof fastening
- Works SCRAIL® ROOFLOC® with and without EPDM washer
- Easy rear loading magazine

NEW! Also available with lower cap and lower weight.



F58AC RHN20-90C SCR

Weight	8.80 lbs 4.00 kg			
Pressure	70 – 120 psi l 5	70 – 120 psi 5 – 8 bar		
Fastener Type	17°+20° Plastic Strip Nails, 20° Plastic Strip SCRAIL ®			
A) Diameter	Nails .114 – .148 inch 2,9 – 3,8 mm			
	SCRAIL®	.113138 inch 2,8 - 3,5 mm		
L) Length	Nails 2"-3 1/2" 50-90 mm			
	SCRAIL®:	2"-3" 50-75 mm		
Capacity	Nails	62		
	SCRAIL®:	62		
Applications				



HEAD NAIL



Patented ergonomic design New, easy jam clearing system

FEATURES:

Single shot and contact actuation

F36 RHN33-38 DT INVISIDECK® Weight 5.00 lbs | 2,30 kg 80 - 120 psi | 5.5 - 8 bar



SCRAIL® INVISIDECK®

IB L

- Patent pending nose
- 3-5 times faster than conventional installation
- Saves time and labour costs

FASCO® SCRAILER

THE PERFECT TOOL FOR EVERY SCRAIL®



F91AC RHN20-160

Weight	16.28 lbs 7	7.39 kg	_ > B ◀
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®:	.138165 inch 3.5 - 4.2 mm	
B) Head	Nails	.315354 inch 8,0 - 9,0 mm	
	SCRAIL®:	.275354 inch 7,0 - 9,0 mm	│
L) Length	Nails	4 - 6 3/8 inch 100 - 160 mm	A A A MINIMUM
	SCRAIL®:	4, 4 1/2, 6 3/8 inch 100, 115, 160 mm	
Capacity	Nails	50	
	SCRAIL®:	50	│
Applications			NAIL SCRAIL®

FEATURES:

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

F70G RHN20-90 SCR



Weight	7.77 lbs 3.	53 kg	→B
Fastener Type	17°+20° Pla	stic Strip Nails, 17°+20° Plastic Strip SCRAIL ®	
A) Diameter	Nails	.114148 inch 2,9 - 3,8 mm	
	SCRAIL®:	.113138 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			NAIL SCRAIL®

- 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

NEW IN OUR PROGRAM

SCRAIL® CHIPBOARD, ANCHOR AND DRYWALL



PATENTED



SCRAIL® CHIPBOARD

inside Ø 2.9 / 3.1 mm outside Ø 3.5 / 3.9 mm

For optimum driving and retightening behavior.





inside Ø 4 mm

outside Ø 4.2 mm

Perfect for fastening timber connectors in structural timber construction.



PATENTED

inside Ø 2.8 mm outside Ø 3.2 mm

SCRAIL® DRYWALL

Provides the perfect fastening solution for drywall construction.



BECK - PREMIUM MANUFACTURER OF FASTENING TECHNOLOGY

BECK, a 4th generation family business, has been a leader in fastening technology for 80 years. As an industry pioneer, we combine extensive in-house knowledge and cross-industry expertise.

For timber construction, furniture construction, interior design or the automotive industry - with over 34,000 products, BECK offers a wide range of fastening systems and solutions for a wide variety of applications. The range includes collated staples, brads, nails and SCRAIL® nail screw fasteners in various sizes and designs, as well as innovative wooden nails and the corresponding pneumatic tools.

Our "BEYOND FASTENING" mindset stands for innovation, sustainable construction and continuous improvement.



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BECK



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