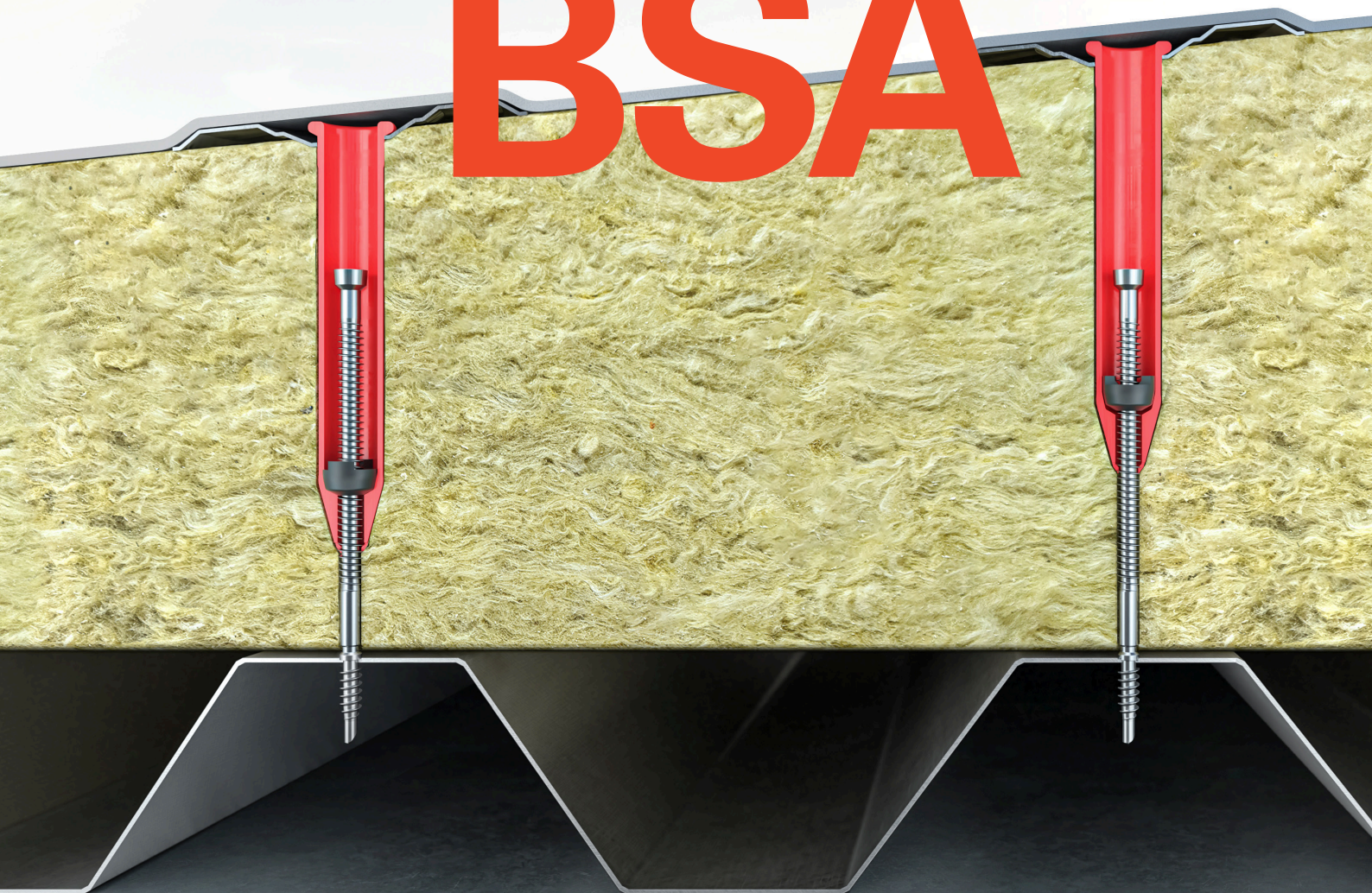


SFS

Fastening system **BSA**



Adjustable, telescopic sleeve fastening system
for tapered insulation on steel deck flat roofs

One combination

For various application thicknesses

With the increased awareness and importance of a building's energy efficiency, insulation thicknesses are increasing. The securement of these thicker insulations and single-ply membranes bring new and demanding requirements. The new innovative fastening system BSA builds on existing fastener technologies to provide the installer with a simple and cost effective adjustable solution for tapered insulation on steel decks. Thanks to the unique and innovative system, the self-drilling adjustable fastener can be used for seam or field fastening applications, with a maximum setting depth of only 20 mm below the substrate.



For a SAFE roof installation

Secure

The telescopic nature of the fastening system allows the sleeve to move vertically freely when increased loads are applied, and returns to its original position once the load has been removed.

Adjustable

Up to 85 mm of adjustability with one combination, requires fewer fastener combinations and decreases installation time.

Flexible

With the numerous combination possibilities, the BSA fastening system can be used for either traditional seam or field fastening applications.

Easy

A quick and simple installation process.




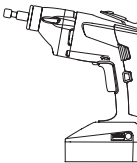
Pre-assembled combinations (sleeves + fastener)

Product code	Clamping min. (mm)	Clamping max. (mm)
FI-R-20×70/BSA-N-4,8×110	100	120
FI-R-20×100/BSA-N-4,8×110	115	150
FI-R-20×130/BSA-N-4,8×110	145	180
FI-R-20×130/BSA-N-4,8×160	150	230
FI-R-20×160/BSA-N-4,8×160	175	260
FI-R-20×190/BSA-N-4,8×160	205	290
FI-R-20×230/BSA-N-4,8×160	245	330
FI-R-20×300/BSA-N-4,8×160	315	400
FI-R-20×350/BSA-N-4,8×160	365	450
FI-R-20×400/BSA-N-4,8×160	415	500

Stress plates

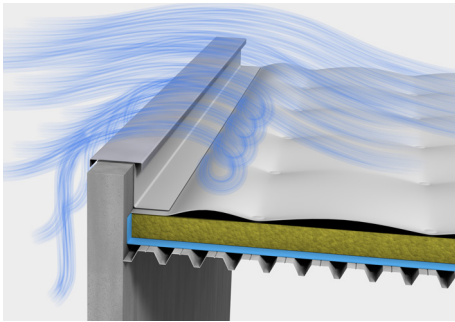
Product code	Application
FI-P-16,0-PVC	PVC isoweld® Field Fastening
FI-P-16,0-TPO	TPO isoweld® Field Fastening
FI-P-16,0-EPDM	EPDM isoweld® Field Fastening
BSA-P-50	Insulation and Membrane securement
BSA-P-70×70	Insulation securement

Recommended for installation

BSA500 installation tool		
Powered screwdriver	1'000–3'000 RPM min. 500 W	
Battery tool	1'000–3'000 RPM min. 18 V Battery with min. 2,5 Ah	

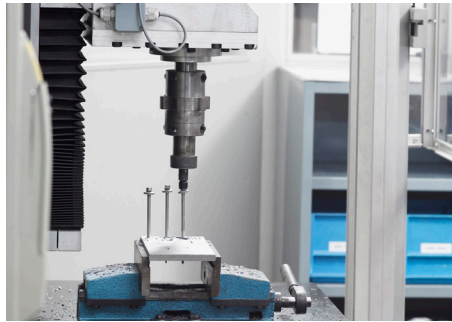
Valuable services for Flat Roofing More than just fastening systems

Wind uplift testing



- Accredited wind load testing according to EN 16002
- State of the art technology for precise, step-less, flexible control setting
- Comprehensive documentation

Inhouse testing



- Long-term behaviour testing under static and dynamic loads
- Corrosion resistance testing
- Fulfillment of the approval authorities requirements

Precise wind load calculations



- Accurate wind load calculations for various roof systems
- Calculations based on Eurocode 1, EN 1991-1-4 or FM Standards
- Extensive, user-friendly reports
- According to country specific EN 1991-1-4 National Annexes