



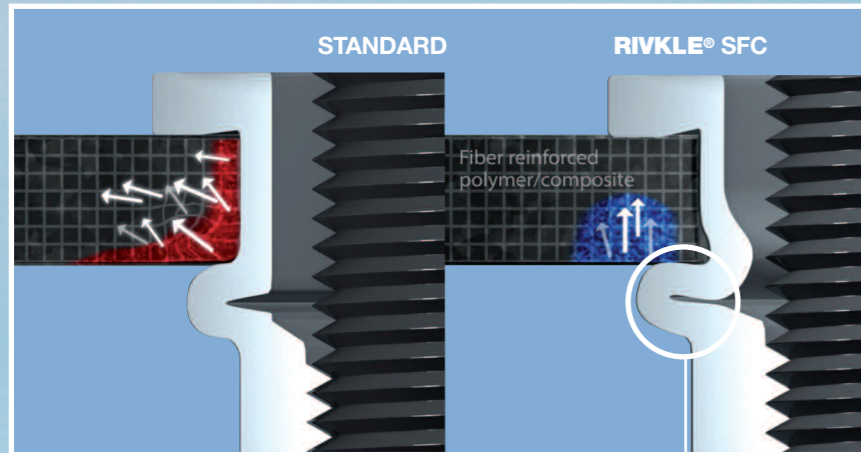
RIVKLE® SFC

Smart For Composite

BÖLLHOFF

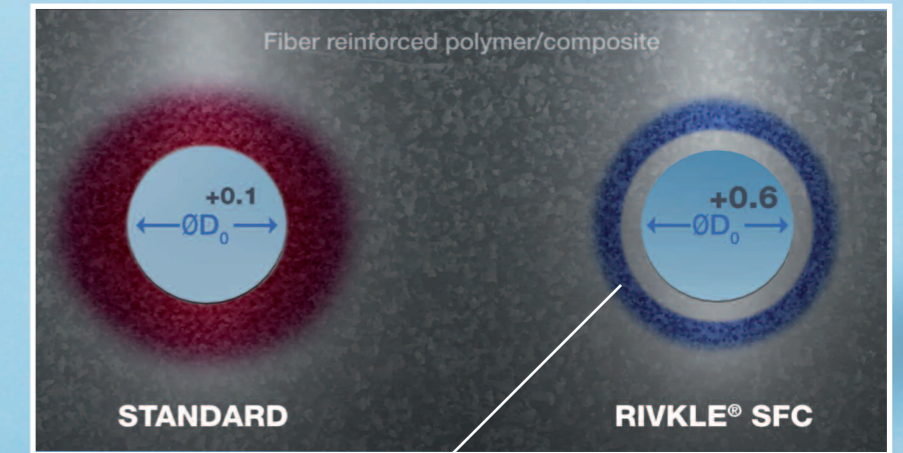
RIVKLE® SFC

Suppression of radial stresses



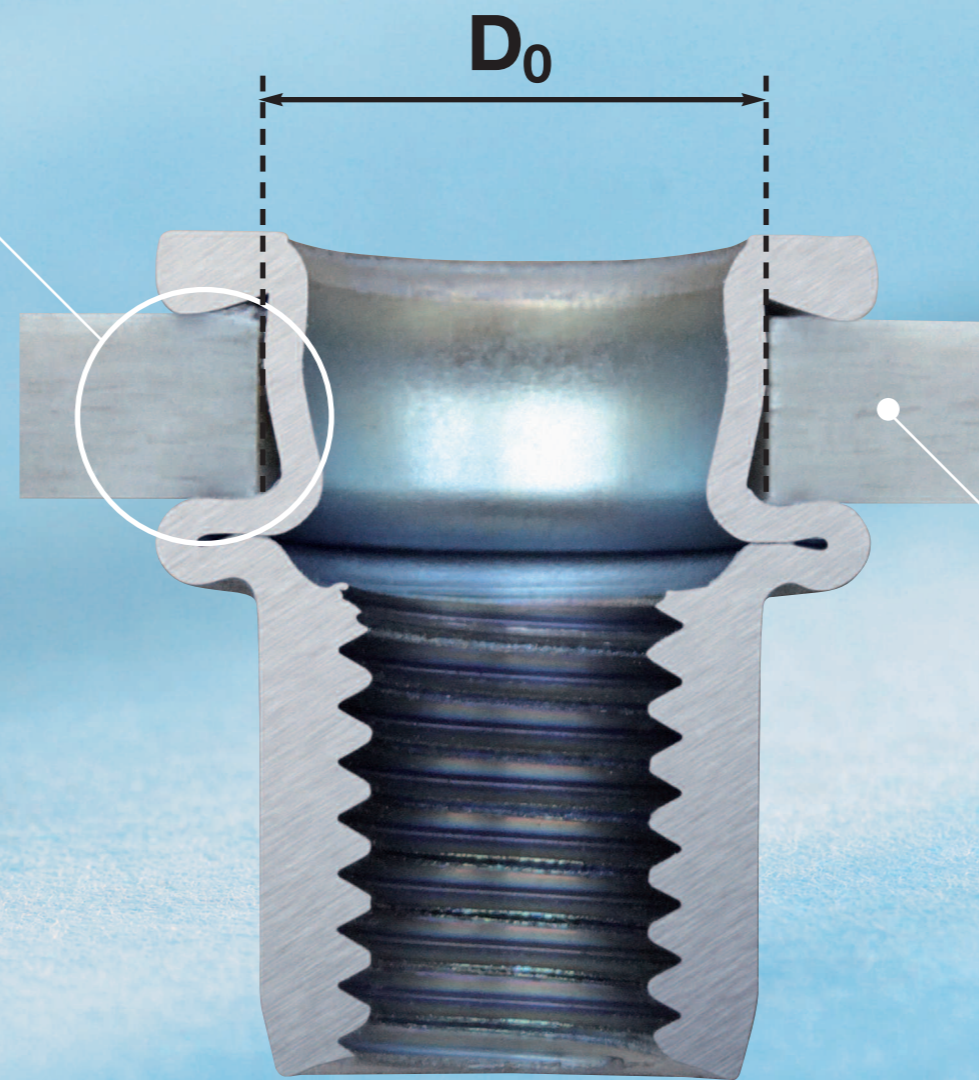
Specific buldge

Increase of hole tolerance: $D_0^{+0,1} \rightarrow D_0^{+0,6}$



Clamp load uniformly distributed on a ring

Fiber-reinforced polymer material



RIVKLE® SFC sectional view

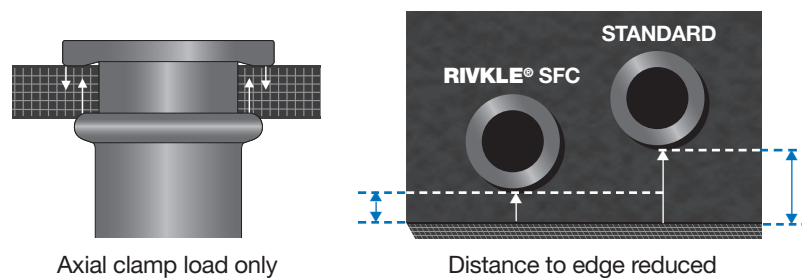
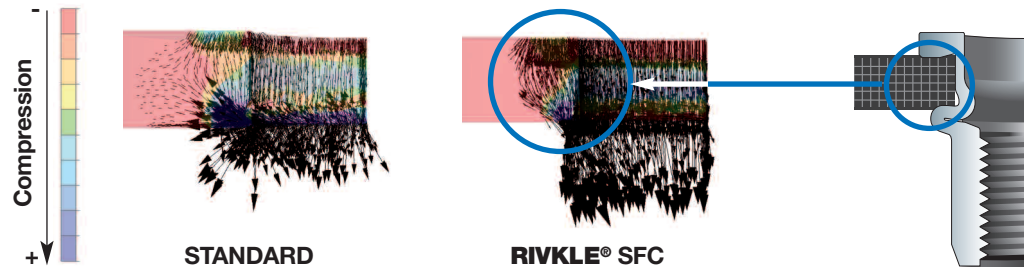
Advantages:

- No delamination risks (due to the fastener)
- Reduction of crack risk at injection welding line
- Possible reduction of distance to edge
- Larger hole tolerance
- Allows off axis setting



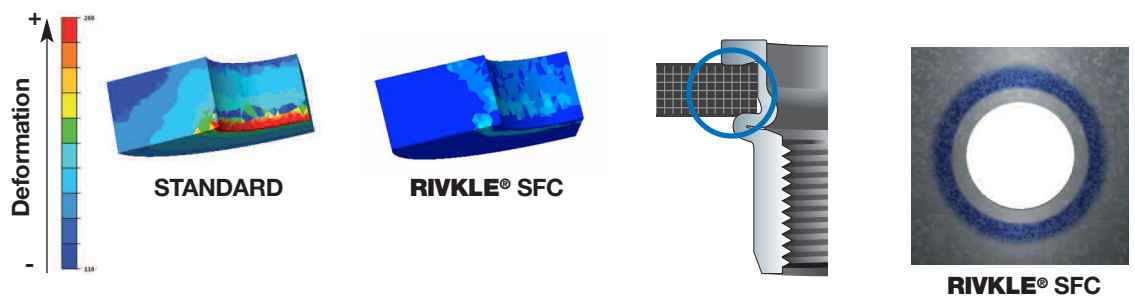
Suitable for Fiber-reinforced polymer material

Suppression of radial stresses

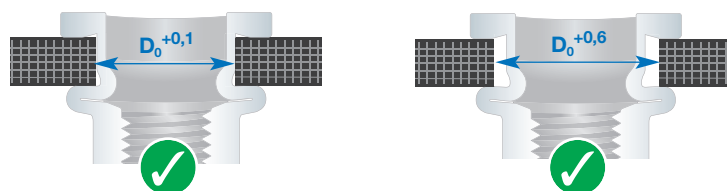


Homogeneous distribution of axial clamp load on a ring

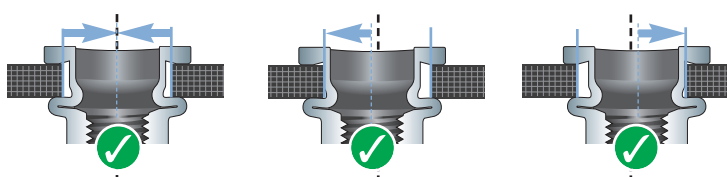
■ Stresses far from the corner



■ Provides a greater hole tolerance: $D_0^{+0,1} \rightarrow D_0^{+0,6}$



■ Preserves its performance, even off-axis setting



■ Compatible with standard polymer processes for realization of holes (water jet cutting, injection,...)

RIVKLE® SFC

RIVKLE® SFC is becoming the reference of blind rivet nut for reinforced polymers:



CRITERIA	Standard RIVKLE®	RIVKLE® PlusNut	Shouldered RIVKLE®	RIVKLE® SFC
Grip interval	2,5 mm	6,5 mm	0,2 mm	1,5 to 2,0 mm
Support conservation	Depends on the quality and the thickness of the support	Depends on the quality of the support	Under control	Under control for all the grip range
Radial stresses	YES	YES	FEW	NONE
Delamination risks or break on welding lines	YES	YES	LOW	VERY LOW
Possible reduction of distance to edge	LIMITED	LIMITED		
Compatible with standard processes for realization of holes (water jet cutting, injection, ...)	Industrial process must be adapt	Industrial process must be adapt	Industrial process must be adapt	 Hole tolerance interval = 0,6 mm

RIVKLE® SFC exists in several references:



Steel								
D (mm)	L (mm)	B (mm)	e (min - max) (mm)	$\varnothing Z$ -0,1/+0,5 (mm)	(N)	L2 max (mm)	E (mm)	
M6	20,7	13,0	2,0 - 3,5	9,1	12 000	11,0	1,5	
	22,2	13,0	3,5 - 5,0					
	20,7	18,0	2,0 - 3,5					
	22,2	18,0	3,5 - 5,0					
M8	22,0	20,0	2,0 - 3,5	11,1	18 000	12,0		
	23,5		3,5 - 5,0					



Stainless steel A4								
D (mm)	L (mm)	B (mm)	e (min - max) (mm)	$\varnothing Z$ -0,1/+0,5 (mm)	(N)	L2 max (mm)	E (mm)	
M6	26,6	H12	1,5 - 3,0	9,1	14 000	17,6*	1,5	

Available on request in other models (sealing option, stud...) * validation in progress

Grip range could be enlarge under some specific conditions link to support material type and level of request. A test validation is necessary, please take contact with us.

RIVKLE® SFC is fully compatible with the whole Böllhoff **RIVKLE®** setting tool range:



Böllhoff International with companies in:

Argentina
Austria
Brazil
Canada
China
Czech Republic
France
Germany
Hungary
India
Italy
Japan
Korea
Mexico
Poland
Romania
Russia
Slovakia
Spain
Switzerland
Turkey
United Kingdom
USA

Apart from these 23 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers

Böllhoff Group
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or contact us under fasteningtechnology@boellhoff.com

