NSK-EL: Securing electrical bolted joints with slotted holes

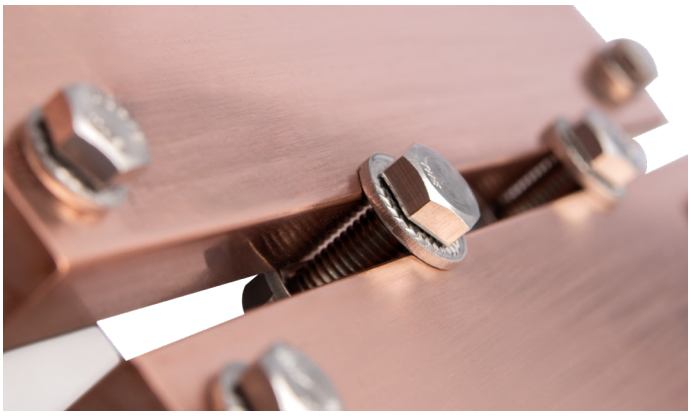
NEW

teckentrup SLI

Risk minimization in electrical engineering through optimal bolted joints

Bolted joints for electrical connections shall be designed to retain the preload with suitable securing elements

The solution for slotted holes: NSK-EL screw lock washers



Features:

Skid-like contour

Bow shape

Bar

Locking toothing

Advantages:

- Better compensation of embedding and creeping effects compared to spring washers due to bow shape
- Securing with advanced toothing against self-acting loosening by rotation
- Surface protection of the conductor materials thanks to skid-like contour on the underside
- Uniform contact pressure on the complete conductive contact surface
- One-piece, easy to assemble
- Increased residual spring effect even with A4 stainless steel washers
- Higher rigidity compared to spring washers due to bow shape and bar on the outer edge

NSK – The versatile & multifunctional screw locking system for your applications

NSK-EL: Securing electrical bolted joints with slotted holes

Dimensions

Variants
Spring steel galvanised

NSK-EL	Item No.	DI	DA	S	H	Weight kg/1,000 pcs	Pcs./PU
NSK-EL6	070430	Ø 6.10+0.48	Ø 14.20-0.43	(1,8±0.05)	(2,00+0,20)	1,78 kg	1.000
NSK-EL8	070440	Ø 8.20+0.58	Ø 18.20-0.43	(2,0±0.05)	(2,20+0,30)	3,11 kg	1.000
NSK-EL10	070450	Ø 10.20+0.58	Ø 22.25-0.52	(2,2±0.10)	(2,40+0,35)	4,85 kg	500
NSK-EL12	070460	Ø 12.30+0.58	Ø 27.25-0.52	(2,4±0.10)	(2,60+0,35)	8,43 kg	500

Variants
Stainless steel A4 1.4401*

NSK-EL	Item No.	DI	DA	S	H	Weight kg/1,000 pcs	Pcs./PU
NSK-EL6	076430	Ø 6.10+0.48	Ø 14.20-0.43	(2,0±0.075)	(2,20+0,20)	1,78 kg	1.000
NSK-EL8	076440	Ø 8.20+0.58	Ø 18.20-0.43	(2,2±0.075)	(2,40+0,30)	3,11 kg	1.000
NSK-EL10	076450	Ø 10.20+0.58	Ø 22.25-0.52	(2,4±0.10)	(2.60+0.35)	4,85 kg	500
NSK-EL12	076460	Ø 12.30+0.58	Ø 27.25-0.52	(2,6±0.10)	(2,80+0,35)	8,43 kg	500

Available from 01.01.2025

*can also be used for A2 stainless steel screws

The securing effect of the NSK-EL on slotted holes is verified using a wide variety of test methods. The hole clearance in the transverse direction taken into account here corresponds to that of normal holes (DIN EN 20273; tolerance class H 13, medium). Furthermore, slotted hole edges must always be deburred. For your own applications, it is recommended that expert personnel carry out tests. Subject to technical changes.

Other screw locking solutions

NSK-L

Standard bores & slotted hole fastenings for strength classes up to 12.9

NSK-B

Slotted hole fastenings for strength classes up to 12.9

NSK-M

Strength classes up to 8.8

teckentrup SLI

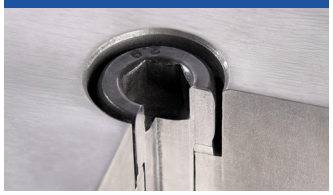
NSK-K

Electroconductive connections

NSK-S

Strength classes less than 8.8

SK-Z



Cylindrical head bolts

Screw, nut and washer assemblies

Simplify Assembly

Contact

teckentrup SLI GmbH & Co. KG · Grünestrasse 75 · 58840 Plettenberg · Germany
Telefon +49 23 91 / 99 93 93 0 · info@teckentrup-sli.de · www.teckentrup-sli.de

09/24 plakart.de