

The new BKNA-Series

„To make established products even better“ is a motto when further developing established FTG products. Deriving from know-how and a lot of ambition for any detail, the bow terminals of the new BKNA series have been created. The optimized pressure plate which is firmly riveted to the fixing screw increases the pull-off force and prevents twisting of the terminal during installation. The robust bow terminals from FTG are favorable solutions if simple, yet highly reliable solutions are demanded.

BKNA-bow terminals

- applicable for both copper and also aluminum connections
- proof, solid and proven technology
- capacity up to 500 A
- cross sections 1.5 - 185 mm²
- for busbars 5 mm / 10 mm (Al / Cu)



Bow terminal BKNA suitable for flat copper 5 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
# BKNA1605	

Design	35 mm ²
Clamping range	4 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	6 Nm
# BKNA3505	

Design	70 mm ²
Clamping range	16 - 70 mm ²
I max., U max.	400 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
# BKNA7005	

Design	120 mm ²
Clamping range	16 - 120 mm ²
I max., U max.	440 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
# BKNA12005	

Design	185 mm ²
Clamping range	50 - 185 mm ²
I max., U max.	500 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
# BKNA18505	



Bow terminal BKNA suitable for flat copper 10 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
# BKNA1610	

Design	35 mm ²
Clamping range	4 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	6 Nm
# BKNA3510	

Design	70 mm ²
Clamping range	16 - 70 mm ²
I max., U max.	400 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
# BKNA7010	

Design	120 mm ²
Clamping range	16 - 120 mm ²
I max., U max.	440 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
# BKNA12010	

Design	185 mm ²
Clamping range	50 - 185 mm ²
I max., U max.	500 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
# BKNA18510	

FTG - Friedrich Göhringer
Elektrotechnik GmbH
Gerwigstr. 8
DE-78098 Triberg
Germany
Phone +49 (0) 7722 96 36 0
Fax +49 (0) 7722 96 36 36
www.ftg-germany.de



www.ftg-germany.de

CONNECTING
VISIONS **FTG**



Bow terminals

Great variety with solid technique

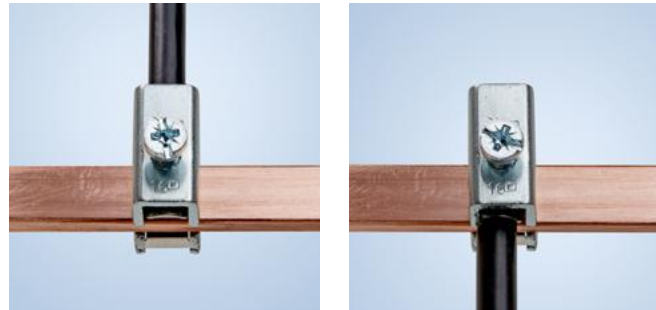


Steady classic

Well established classic. As one of the leading manufacturer of power busbar systems FTG offers an extensive range of well established and innovative bow terminals.

Bow terminals are a favorable alternative, if it is important to install simple yet reliable connections.

Conductors with sizes of 1.5 to 185mm² can be connected with FTG bow terminals. For flat copper of 3, 5 and 10 mm thickness there are terminals available which can be loaded up to 500 A.

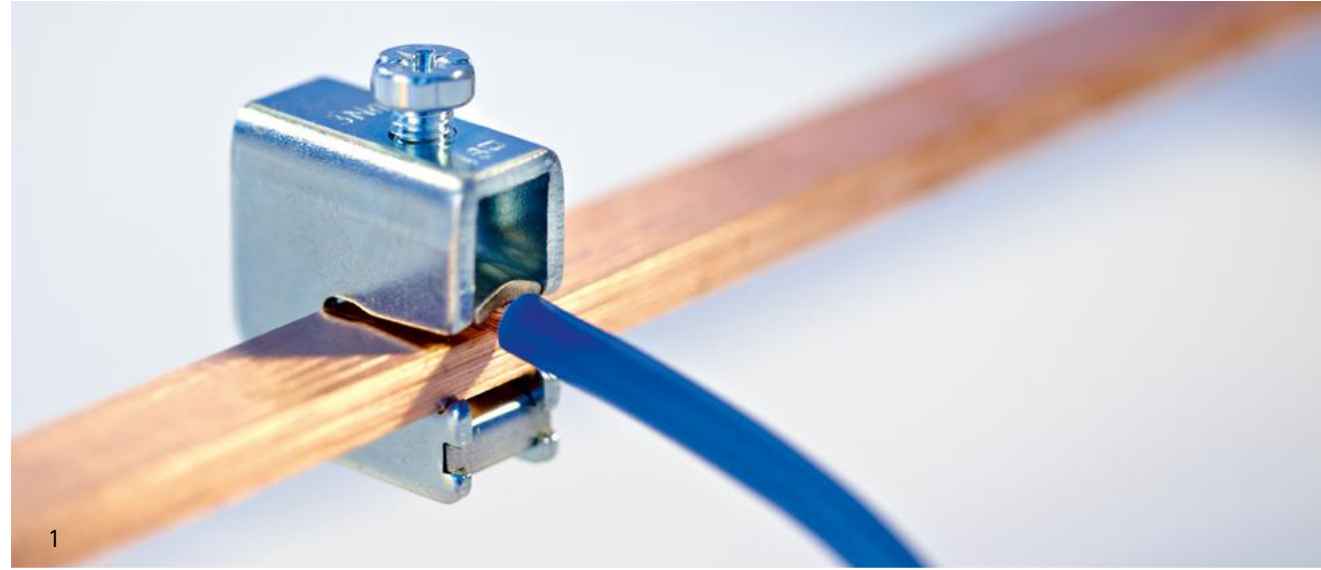


Feeding the conductors can be made from top or also from below.

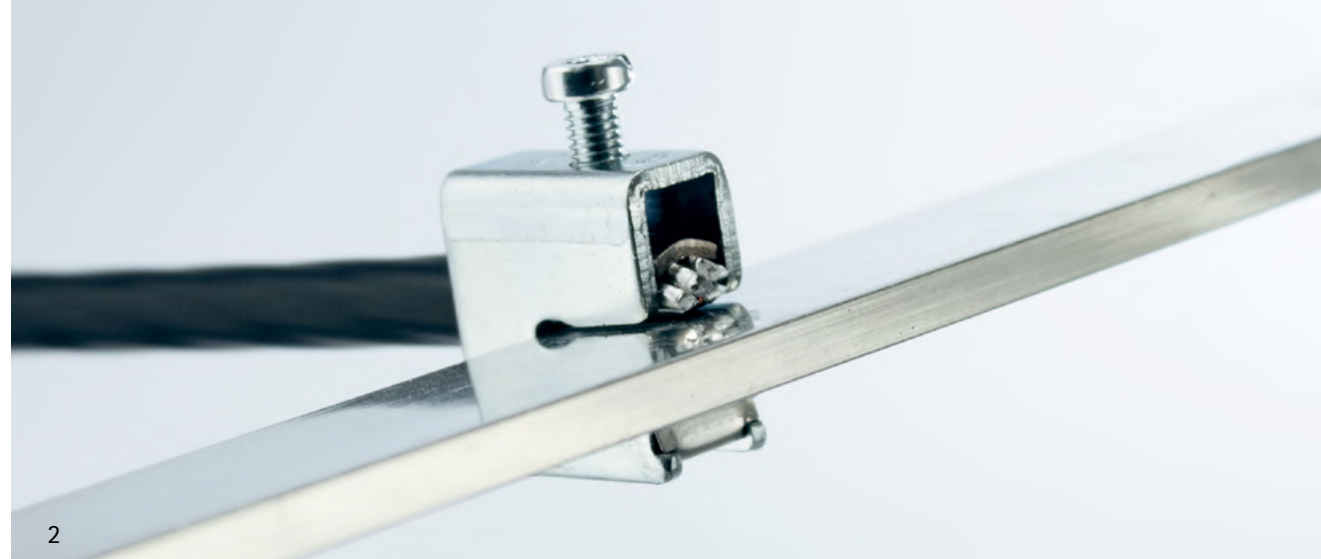
1. The new BKN terminals in an application with round conductors. Solid or stranded and fine wires with ferrule can be connected to all FTG terminals.

2. Aluminum conductors can even be connected with galvanized copper conductors by means of the BKN terminals. This becomes possible by an in-house developed special pressure plate.

3. The BKN terminal for applications with flexible lamella conductors. Especially for flexible applications, it is an interesting and solid connection.



1



2



3

Product overview bow terminals



Bow terminals BKN suitable for flat copper 3 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKN1603



Bow terminals BKS suitable for flat copper 5 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKS1605



Bow terminals BKN suitable for flat copper 5 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKN1605



Bow terminals BKS suitable for flat copper 10 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKS1610



Bow terminals BKN suitable for flat copper 10 mm

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	3 Nm
	# BKN1610



Bow terminals BKGS suitable for flat copper

for busbars 3 x 10 | 5 x 5 | 6 x 6 mm

Design	6 mm ²
Clamping range	1.5 - 6 mm ²
I max., U max.	80 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	1,5 - 2 Nm
	# BKGS0603

Design	16 mm ²
Clamping range	1.5 - 16 mm ²
I max., U max.	180 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	2 - 2,5 Nm
	# BKGS1603

Design	35 mm ²
Clamping range	1.5 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	PZ 2
Tightening torque	2,5 - 3 Nm
	# BKGS3503

Design	35 mm ²
Clamping range	1.5 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	SW 5 Allen screw
Tightening torque	2,5 - 3 Nm
	# BKGS3503i

Design	70 mm ²
Clamping range	10.0 - 50 mm ²
I max., U max.	315 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	10 Nm
	# BKS5005

Design	70 mm ²
Clamping range	16.0 - 70 mm ²
I max., U max.	400 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
	# BKS7005

Design	120 mm ²
Clamping range	16.0 - 120 mm ²
I max., U max.	440 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS12005

Design	185 mm ²
Clamping range	50.0 - 185 mm ²
I max., U max.	500 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS18505

Design	35 mm ²
Clamping range	4 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	PZ 3
Tightening torque	6 Nm
	# BKN3505

Design	70 mm ²
Clamping range	16 - 70 mm ²
I max., U max.	400 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
	# BKN7005

Design	120 mm ²
Clamping range	16 - 120 mm ²
I max., U max.	440 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKN12005

Design	185 mm ²
Clamping range	50 - 185 mm ²
I max., U max.	500 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKN18505

Design	35 mm ²
Clamping range	4 - 35 mm ²
I max., U max.	270 A 1.000 VAC/DC
Connection screw	PZ 3
Tightening torque	6 Nm
	# BKS3510

Design	50 mm ²
Clamping range	10.0 - 50 mm ²
I max., U max.	315 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	10 Nm
	# BKS5010

Design	70 mm ²
Clamping range	16 - 70 mm ²
I max., U max.	400 A 1.000 VAC/DC
Connection screw	SW 13 PZ 3
Tightening torque	12 Nm
	# BKS7010

Design	120 mm ²
Clamping range	16 - 120 mm ²
I max., U max.	440 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS12010

Design	185 mm ²
Clamping range	50 - 185 mm ²
I max., U max.	500 A 1.000 VAC/DC
Connection screw	SW 17 PZ 3
Tightening torque	22 Nm
	# BKS18510



Accessories for bow terminals

Bow terminal covers, suitable for BKS 1605, BKS 1610, BKN 1603, BKN 1605, BKN 1610 # BKC16