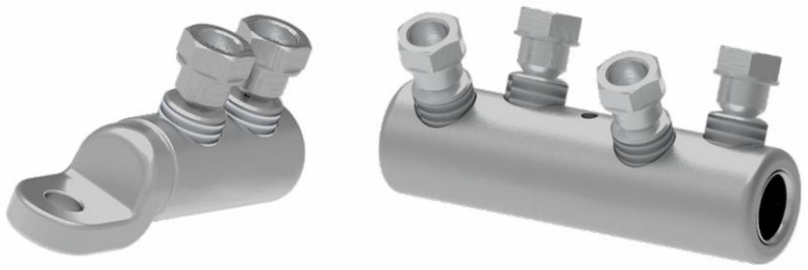
# DanCables Screw Connections

ver.: 2026.01



## Application:

Mechanical screw cable lugs and connectors, constructed from tin-plated aluminium.
*Tested and approved for use with highly flexible Alukaflex® cables in compliance with IEC 61238-1-1.
This standard covers connection performance under mechanical tension, load, and short-circuit conditions.
The installation instructions must be followed and can be requested from DanCables.

Additionally designed for the installation of copper cables with round, fine-stranded Class 5 conductors and extra fine-stranded Class 6 conductors in accordance with DIN EN 60228.

## Construction:

Optimized aluminium alloy with high mechanical strength and corrosion resistance.
Tin-plated coating protects the contact surface from oxidation and enhances corrosion resistance.
Hexagonal head bolt with torque-controlled shear-off feature.
Tin-plated aluminium ferrule (must be used) protects the conductor strands.
Contact grease improves an oxidation-free contact surface and ensures a long-term electrical connection.
Bevelled edge facilitates easy conductor insertion and assembly.
The cable lug features an oil barrier, achieved by using a solid, tin-plated aluminium palm.
Complies with the RoHS Directive and contains no SVHC substances as defined by the REACH Regulation.
Produced under a quality management system certified according to ISO 9001:2015.

## Copper conductor according to DIN EN 60228:

Class 5: Fine-stranded, flexible Cu conductors.
Class 6: Extra fine-stranded, highly flexible Cu conductors.

## * Cables with Alukaflex® conductors:

**Alukaflex®** is an innovative, highly flexible, special-stranded aluminium conductor developed by DanCables.
With cross-sections up to 500 mm², it improves working conditions and speeds up installation.
At the same time, it enables new installation methods that traditional cables do not support.
Alukaflex® is available as installation cable, rubber cable, PUR cable as well as pre-assembled cable sets.
Data sheets, installation instructions and more can be requested from DanCables.

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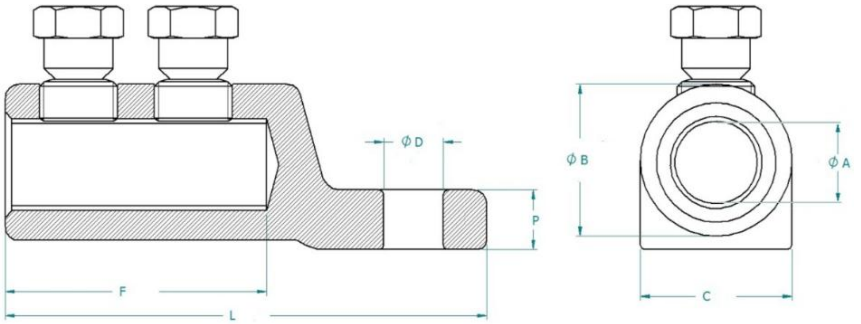
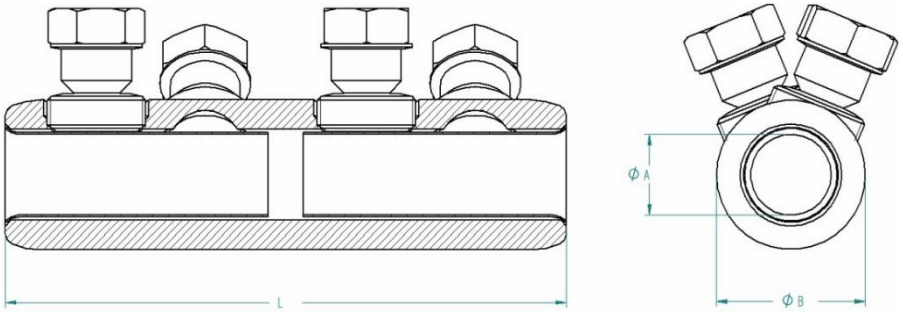



| Part No. | Cross Section mm² | Bolt Dia. mm | Number of Bolts | Allan Key mm. | øA Inner Dia. | øB Outer Dia. | C Palm Width | P Palm Height | F Sleeve Depth | L Total length | D bolt hole | Packing/ Min. Pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17200000 | 16 – 25 | 10 | 1 | 10 | 7,5 | 24 | 22 | 8 | 30 | 65 | 10 | 100 |
| 17200005 | 16 – 25 | 12 | 1 | 10 | 7,5 | 24 | 22 | 8 | 30 | 65 | 12 | 100 |
| 17200010 | 35 – 50 | 10 | 1 | 13 | 11 | 24 | 22 | 8 | 30 | 65 | 10 | 75 |
| 17200015 | 35 – 50 | 12 | 1 | 13 | 11 | 24 | 22 | 8 | 30 | 65 | 12 | 75 |
| 17200020 | 70 – 95 | 10 | 1 | 17 | 14 | 28 | 26 | 10 | 35 | 80 | 10 | 50 |
| 17200025 | 70 – 95 | 12 | 1 | 17 | 14 | 28 | 26 | 10 | 35 | 80 | 12 | 50 |
| 17200030 | 120 – 150 | 10 | 2 | 22 | 18 | 35 | 33 | 12 | 70 | 120 | 10 | 30 |
| 17200035 | 120 – 150 | 12 | 2 | 22 | 18 | 35 | 33 | 12 | 70 | 120 | 12 | 30 |
| 17200040 | 185 – 240 | 12 | 2 | 22 | 23 | 42 | 40 | 14 | 80 | 140 | 12 | 20 |
| 17200045 | 185 – 240 | 16 | 2 | 22 | 23 | 42 | 40 | 14 | 80 | 140 | 16 | 20 |
| 17200050 | 240 – 300 | 12 | 3 | 22 | 25,5 | 50 | 40 | 18 | 90 | 160 | 12 | 12 |
| 17200055 | 240 – 300 | 16 | 3 | 22 | 25,5 | 50 | 40 | 18 | 90 | 160 | 16 | 12 |
| 17200060 | 300 – 400 | 12 | 3 | 22 | 30 | 50 | 40 | 18 | 90 | 160 | 12 | 20 |
| 17200065 | 300 – 400 | 16 | 3 | 22 | 30 | 50 | 40 | 18 | 90 | 160 | 16 | 20 |




| Part No. | Cross Section mm² | | Number of Bolts | Allan Key mm. | øA Inner Dia. | øB Outer Dia. | | | F Sleeve Depth | L Total length | | Packing/ Min. Pcs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17200070 | 16 – 25 | | 2 | 10 | 7,5 | 20 | | | 20 | 40 | | 100 |
| 17200075 | 35 – 50 | | 2 | 13 | 11 | 24 | | | 30 | 60 | | 40 |
| 17200080 | 70 – 95 | | 2 | 17 | 14 | 28 | | | 37,5 | 75 | | 50 |
| 17200085 | 120 – 150 | | 4 | 22 | 18 | 35 | | | 65 | 130 | | 20 |
| 17200090 | 185 – 240 | | 4 | 22 | 23 | 42 | | | 75 | 150 | | 25 |
| 17200095 | 240 – 300 | | 6 | 22 | 25,5 | 50 | | | 90 | 180 | | 20 |
| 17200100 | 300 – 400 | | 6 | 22 | 30 | 55 | | | 90 | 180 | | 5 |
| 17200105 | 400 –500 | | 8 | 22 | 34 | 60 | | | 100 | 200 | | 5 |

All stated conductor cross-sections are based on the DIN EN 60228 standard.
However, the standard does not specify binding physical dimensions for a conductor.
A careful assessment of product compatibility should always be carried out prior to use.