

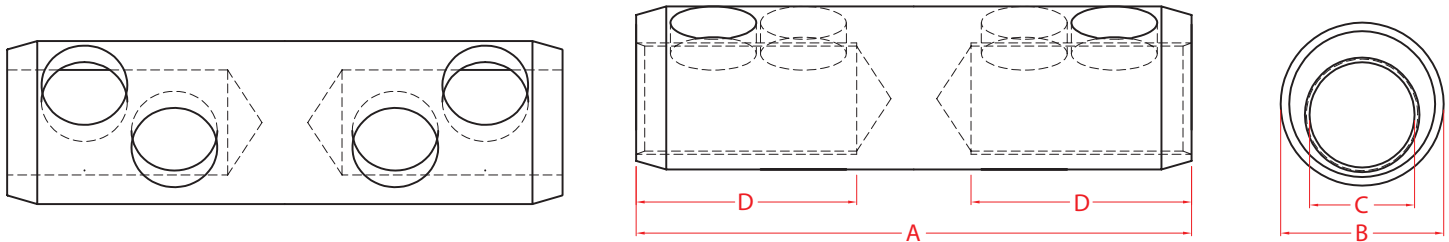
Mechanical Shearbolt Links Low Voltage

FOR SOLID AND STRANDED, SECTOR OR CIRCULAR CONDUCTOR, ALUMINIUM OR COPPER

CABAC's Bolted Aluminium Links are designed to be simply bolted to the conductor, which eliminates the need for crimping tools and the attendant operator skills.

- The conductor is connected using a proven shear bolt technology, by which the shear bolts are simply tightened until they shear.
- Both stranded and solid conductors can be connected in the same way, by simply tightening the shear bolts, which creates the correct torque on the bolts for a perfect connection.
- The inner surface of the link barrels have a specially designed grooved surface, which is designed to break oxide layers on the conductor, creating a low resistance barrel to conductor interface, which performs better than crimped joints. This has been proven with tests conducted at CABAC's NATA laboratory. This low resistance interface applies to both stranded and solid conductors.
- The links are supplied tin plated, which means they can be used for copper and aluminium conductors.
- The links are designed for LV applications. The links are specially chamfered to eliminate sharp corners.

The connector is manufactured from high strength aluminium alloy that is tin-plated to allow the mixing of conductor materials. The installation of the connector requires only an allen key. This product has been fully tested to AS4325 in CABAC's NATA laboratory, and test reports can be provided on request.



Part No.	Conductor Range (mm ²)	Dimensions (mm)				Bolts Dia. (mm)	Conductor No. of Bolts
		A	B	C	D		
BALK95	95 - 16	100	27	14.5	42	12	4
BALK150	150 - 50	120	32	18.5	52	16	4
BALK185	185 - 95	128	38	24.5	56	20	4
BALK240	300 - 240	128	38	24.5	56	20	6
REDUCING LINKS							
BALK240/150	240/150-50	130	38	-	-	20	4
BALK240/95	240/95-16	130	38	-	-	20	4
BALK150/95	150-50/95-16	130	38	-	-	20	4

Technical Data

Conductive Material

Aluminum 99.6%pure

Tensile Strength

120 Mpa

Operating Temperature

-20°C to 140°C

Conformant Standards

AS/NZS4325 Part 1, IEC France, DIN/VDE Germany, JIS Japan, BS United Kingdom, UL/NEMA USA

Set Screw Material

Brass alloy tin plated

Shear Head Bolts

Brass alloy tin plated

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.