



RIBE® Electrical Fittings - Generation B119

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# RIBE® WEDGE-TYPE TENSION CLAMPS EVOLUTION

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**RIBE®**  
  
**ELECTRICAL FITTINGS**

# THE NEW GENERATION OF WEDGE-TYPE TENSION CLAMPS

During the last five years the transmission line operators (TSOs) successfully put into operation more than 100,000 RIBE® wedge-type tension clamps throughout Europe. However, the requirements for transmission lines and consequently for fittings have considerably increased in Germany since then. This applies, in particular, to specified minimum failure loads (SMFL) of tension clamps.

With this new design, the RIBE® wedge-type tension clamp was adapted to meet the higher demands. The generation „B119“ efficiency increase was achieved by incorporating many detailed solutions such as the patented conductor channel developed for precisely this purpose, which has been tested for SMFL values of more than 300 kN.



## › FLEXIBLE SCOPE

On the basis of four clamp body sizes and the corresponding wedge pairs, conductor diameters of 14.1 mm to 43.0 mm with SMFL values of more than 300 kN can be covered – a clear savings potential regarding storage and logistics costs.



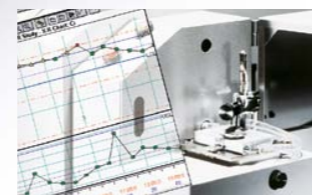
## › FASTER ASSEMBLY

Assembly has become even easier. You need neither special tools nor have to cut the conductor. Adjustment of conductor sag can be done without great efforts.



## › DESIGNED FOR RELIABILITY

Special attention was paid to the strength properties, the stress distribution inside the clamp body and the forging process.



## › DOCUMENTED QUALITY

In addition to an acceptance certificate according to EN 10204 3.1 and prior to the forging process, the raw materials' chemical composition is tested by means of spectral analysis and only released for processing if content of constituents is within limits more severe than standard requirements.

## TECHNICAL DATA

### › CLAMP DATA

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>B 119 020</b>                      |                       |
| Clamping range                        | <b>14.1 - 22.5 mm</b> |
| Specified Minimum Failure Load (SMFL) | 170 kN                |

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>B 119 030</b>                      |                       |
| Clamping range                        | <b>22.6 - 27.0 mm</b> |
| Specified Minimum Failure Load (SMFL) | 200 kN                |

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>B 119 040</b>                      |                       |
| Clamping range                        | <b>27.0 - 33.4 mm</b> |
| Specified Minimum Failure Load (SMFL) | 250 kN                |

|                                       |                       |
|---------------------------------------|-----------------------|
| <b>B 119 050</b>                      |                       |
| Clamping range                        | <b>33.5 - 43.0 mm</b> |
| Specified Minimum Failure Load (SMFL) | 310 kN                |



### › RIBE® CONDUCTOR SLIDE RULE

Available free online and as a smartphone app. Your benefits: easy handling, always within reach, fast results – try it out!

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COMPETENCE CONNECTS

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