



- ◀ RIBE Aluform M4 application examples
Housing and electrical contact joints in e-mobility

Technical product data sheet

RIBE® ALUFORM M4 – SMALLER, LIGHTER, BETTER

▶ THE RIBE® ALUFORM BOLT IN THE M4 SIZE RANGE

With the addition of the M4 size range to the product portfolio, it is now possible to benefit from the advantages of an aluminum bolt for applications in a small size range. These include high preload stability and the avoidance of galvanic corrosion. In applications with electrical contact, the RIBE ALUFORM offers the optimum fastener due to its low contact resistance. RIBE ALUFORM M4 is coated as standard with the proven Al-phosphated + RIBE-Lub coating system to ensure ideal assembly properties.

▶ TECHNICAL DATA

Dimensions	M4 x 16 – M4 x 30
Drive Feature	Internal hexlobular
Preload force*	3 kN
Tensile strength R_m	> 400 N / mm ²
Conductivity	30 m / Ω mm ²
Surface coating	Al-phosphated + RIBE-Lub



* typical value at $\mu_{ges} = 0.11$; utilization factor $\eta = 1.1$; yield strength $R_{p0.2} = 370$ N / mm² and head geometry according to WN17005

▶ TARGET APPLICATIONS OF THE RIBE® ALUFORM M4

The RIBE ALUFORM M4 bolt has many advantages over a steel or stainless steel bolt, especially when used for clamping lightweight materials. With the new M4 size range, a wide range of applications in the field of e-mobility, for example housing bolt connections or electrical bolt connections, can be achieved. The properties of the Aluform M4 also make it the ideal fastener for e-bikes, automation technology, and a wide range of industrial applications.