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European Technical Assessment Body
for construction products



European Technical Assessment

ETA-26/0306
of 27 May 2026

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

Peg Anchor Molabolt

Product family
to which the construction product belongs

Expanding Structural Bolting Assemblies for Blind
Fastening

Manufacturer

Advanced Bolting Solutions (Molabolt)
8 Frog Island
LE3 5AG LEICESTER
GROSSBRITANNIEN

Manufacturing plant

Molabolt
8 Frog Island
Leicester
LE3 5AG
UK

This European Technical Assessment
contains

5 pages including 1 annex which form an integral part of
this assessment

This European Technical Assessment is
issued in accordance with Article 95(4) of
Regulation (EU) No 2024/3110, on the basis of

EAD 330001-00-0602

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Specific part

1 Technical description of the product

The product “Molabolt” is a steel screw connection which is fastened to a steel structure by inserting it into a pre-drilled hole from one side and clamping it on the opposite side by expanding an expansion sleeve (1) in the steel component.

The expansion sleeve is expanded simply by hammer in a pre-assembled pin (2) even to the surface. The other side does not need to be accessible for installation.

The expansion sleeve has a metric external thread to which the components are screwed using a hexagonal nut (3). The product is available in either zinc-plated carbon or stainless steel, the thread sizes are: M8, M10, M12, M16 and M20.

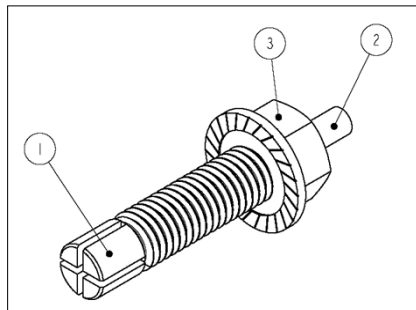


Figure 1: Molabolt



Figure 2: Installed Molabolt after tensile testing

Formal note (because it sounds contradictory): The product is assessed as “Assembly without sleeve” according to EAD.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The product is intended for mounting a plate-like steel component when the rear side of the steel structure is inaccessible (e.g. the inside of a hollow steel profile).

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the product of at least 50 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Mechanical resistance and stability (BWR 1)

No.	Essential characteristic	Performance
1	Mechanical Resistance	See Annex 1
2	Dimension Stability	No performance assessed
3	Anchorage and Deformation of the Fastener	No performance assessed

3.2 Safety in case of fire (BWR 2)

No.	Essential characteristic	Performance
4	Reaction to Fire	All sizes: Class A1

3.3 Safety and accessibility in use (BWR 4)

No.	Essential characteristic	Performance
5	Assessed as BWR1	see BWR 1

3.4 Other characteristics

No.	Essential characteristic	Performance
6	Durability	No performance assessed

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 330001-00-0602 the applicable European legal act is: 1998/214/EC
The system to be applied is: 2+

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system shall comply chapter 3 of EAD. There is no control plan deposited.

Issued in Berlin on 27 May 2026 by Deutsches Institut für Bautechnik

Dr.-Ing. Ronald Schwuchow
Head of Section

beglaubigt:
Ascher

Table 1 Molabolt made of carbon steel:

Molabolt carbon steel [size]	Tensile force (test) [kN]	Shear force (test) [kN]	Bearing force [kN]	Tensile strength of hollow screwed rod greater than 800N/mm ² ?	Tensile strength of sleeve (hollow screwed rod) [N/mm ²]	Shear Resistance of Assembly [kN]	Resistance of installed Assembly to tensile load [kN]
M8	13,36	22,29	22,29	no	596	NPA	NPA
M10	26,31	NPA	NPA	no	724	NPA	NPA
M12	50,08	51,55	51,55	yes	934	NPA	NPA
M16	74,29	NPA	NPA	no	709	NPA	NPA
M20	111,51	146,61	146,61	yes	830	NPA	NPA

NPA: No performance assessed

Table 2 Molabolt made of stainless steel:

Molabolt carbon steel [size]	Tensile force (test) [kN]	Shear force (test) [kN]	Bearing force [kN]	Tensile strength of hollow screwed rod greater than 700N/mm ² ?	Tensile strength of sleeve (hollow screwed rod) [N/mm ²]	Shear Resistance of Assembly [kN]	Resistance of installed Assembly to tensile load [kN]
M8	11,07	18,78	18,78	no	494	NPA	NPA
M10	NPA	NPA	NPA	NPA	NPA	NPA	NPA
M12	32,15	40,05	40,05	no	600	NPA	NPA
M16	63,81	74,09	74,09	no	609	NPA	NPA
M20	78,57	159,40	159,40	no	585	NPA	NPA

NPA: No performance assessed

Peg-Anker Molabolt

Mechanical Resistance (BWR 1)

Annex 1