Declaration of Performance
No. 002 BauPVo2013-07-14

HEWI

1. Single axis door and window hinges to EN 1935

2. **HEWI triple-roll hinge**
   Series
   B X1XX.160 FS

3. For doors in escape routes and on fire and smoke control doors

4. HEWI Heinrich Wilke GmbH
   Prof.-Bier Str. 1-5
   34454 Bad Arolsen

5. Name and contact address of any authorised representative, assigned the tasks in accordance with Clause 12 Paragraph 2:
   N.N

6. System 1
   EN 1935:2002

7. PIV Velbert with the DAKKS accreditation number No. 1309 carried out the type testing in accordance with the EN 1935:2002-05 requirements and evaluated and checked the durability of operational reliability according to System 1 and has also issued the test report

8. European Technical Assessment
   N.N

9. Declared performance:
   Harmonised technical specification: EN 1935:2002-05

Main characteristics	**Performance**
5.1 Initial measurements of the friction torque	< 4.0Nm (Class 14)
5.2 Static load 5.2.1 Deformation under load	· Lateral deformation under load < 0.5 mm · Vertical deformation < 1mm · Neither the lateral nor the vertical displacement exceeds the following values after removal of the load. Lateral <0.3mm;vertical <0.5mm · Not detected, neither in fracture nor in crack formation under normal or corrected visual examination
5.2.2 Overload	· No fractures, cracks or deformations found in the hinge wings, swivels, bushes or pins, neither under normal nor under corrected visual examination · The tested component remained connected to the frame following the test
5.3 Shear strength	· No fractures, cracks or deformations were found in the hinge wings, swivels, sockets or pins.

5.6 Hinges for fire and/or smoke control doors	Class 1:Suitable for use on fire and/or smoke control doors
Durability	
5.4 Durability	Class/:200,000 test cycles · Lateral wear 0.3 mm · Vertical wear 0.5 mm · Maximum friction torque after 20 cycles or after ending the test < 4 Nm
5.8 Hinge groups with joint design characteristics	This hinge does not show any differences whatsoever in its design nor in the materials used compared to the test sample
5.5 Corrosion resistance	Class 4: Very high corrosion resistance (240 hours)
Hazardous substance	
According to remark 1 in Annex ZA	The materials used do not contain any hazardous substances. The products also do not release any hazardous substances, which lie above the existing legally defined maximum limits.

10. The product described in sections 1 and 2 fulfils the performances listed in section 9.

The manufacturer in accordance with section 4 is solely responsible for the preparation of this declaration of performance. Signed on behalf of and in the name of the manufacturer by:

(Name of the signatory and function within the company)

Bad Arolsen, 24/07/14

i.V.

Veit Bechte
Head of Research & Development