NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 551-06-M

Manufacturer: Imported and distributed by Brugg Wire Rope
Manufactured for Brugg Wire Rope by:
GEC Elevator Components Co., LTD
59-10 Jiang Hai Xi Lu Road, Hai'an Industrial Park,
Nantong, Jiangsu, China, 226600

Trade Name(s): Brugg Wedge Socket

Product: Wedge-socket assembly

Pertinent Code Section(s): ASME A17.1-2000, Section 2.20.9
27-990, RS18-1

Prescribed Test(s): RS 18-1 (ASME A17.1-2000, Section 2.20.9.5.1)

Laboratory: New York Product Testing & Services Inc.

Test Report(s): Test Report No. 06-1699-1 dated October 13, 2006, and Letter dated March 12, 2007

Description: Wedge sockets, also known as shackles, are used to secure the ends of elevator ropes. The connection between the elevator rope and the wedge socket is created by threading the wire rope into the end of the socket, looping it around the wedge, and then pulling the rope back up into the socket again. Below is a list of the model numbers.

Part Number	Use for Rope Size (inch)	Overall Length (Dimension A)	Rod Length (Dimension B)	Description
FWSA-38-12	**5/16" – 3/8"**	**17-1/2"**	**12"**	**3/8-12 Assembly**
FWSA-38-18	**5/16" – 3/8"**	**23-3/4"**	**18"**	**3/8-18 Assembly**
FWSA-38-24*	**5/16" – 3/8"**	**30-1/8"**	**24"**	**3/8-24 Assembly**

Part Number	Use for Rope Size (inch)	Overall Length (Dimension A)	Rod Length (Dimension B)	Description
FWSA-12-12	**7/16” – 1/2”**	**18”**	**12”**	**1/2-12 Assembly**
FWSA-12-18	**7/16” – 1/2”**	**24-3/8”**	**18”**	**1/2-18 Assembly**
FWSA-12-24	**7/16” – 1/2”**	**30-5/8”**	**24”**	**1/2-24 Assembly**
FWSA-12-30	**7/16” – 1/2”**	**36-7/8”**	**30”**	**1/2-30 Assembly**
FWSA-12-36*	**7/16” – 1/2”**	**43-1/4”**	**36”**	**1/2-36 Assembly**
FWSA-58-12	**9/16” – 5/8”**	**19-3/4”**	**12”**	**5/8-12 Assembly**
FWSA-58-18	**9/16” – 5/8”**	**26-1/8”**	**18”**	**5/8-18 Assembly**
FWSA-58-24	**9/16” – 5/8”**	**32-3/8”**	**24”**	**5/8-24 Assembly**
FWSA-58-30	**9/16” – 5/8”**	**38-3/4”**	**30”**	**5/8-30 Assembly**
FWSA-58-36*	**9/16” – 5/8”**	**45”**	**36”**	**5/8-36 Assembly**

The wedge-socket assemblies fall into three groups based on the rope diameter. Within each group, the size of the wedge socket assembly does not change, except for the length of the rod, which also changes the overall length of the assembly. The item with the longest overall length was selected from each group (marked with *) for testing. The test results are listed in the Test Report Number 06-1699-1 from the New York Product Testing & Services Inc. Laboratory.

Terms and Conditions: The above units are accepted on condition that:

1. Wedge socket assemblies shall be in compliance with RS 18-1 (ASME A17.1, Section 2.20.9).

2. All uses, location and installation comply with the New York City Building Code, specifically Section 27-990, Referenced Standard RS 18-1 and the manufacturer’s installation instructions.

3. The approved material shall be labeled and identified with the MEA No. 551-06-M with one such identification on each assembly.

4. All shipments and deliveries of such shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the New York City Building Code.

5. This acceptance is limited to the materials used and does not include the installation for compliance, which is the responsibility of the elevator installation company or elevator service company.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance _____

Examined By April 10, 2007