



NYC Department of Buildings
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 Patricia Lancaster, FAIA, Commissioner
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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 135-03-M Vol. 2

Manufacturer: Thyssenkrupp Elevator Manufacturing, 600 Main South, Middleton, Tennessee 38052

Trade Name(s): Thyssenkrupp.

Product: Elevator Oil Buffers.

Pertinent Code Section(s): 27-987, RS 18-01.

Prescribed Test(s): RS 18-1 (ANSI A17.1)

Laboratory: CSA International

Test Report(s): CSA Report No. 0145380000 dated March 19, 2002. CSA Report No#: 1283267 dated September 12, 2005 and No#: 1644468 dated August 22, 2005.

Description – Car or counterweight buffer used to decelerate a passenger or freight elevator from a speed greater than elevator rated speed to zero speed over a specified distance and without exceeding a specified gravitational “G” force by acting on the bottom of the car or counterweight frame after the elevator passes by the top or bottom terminal landing floor. These oil buffers of the spring return type have been investigated according to ANSI A 17-1 with the following parameters:

Model	Rated Speed m/s (fpm)	Max Striking Speed m/s (fpm)	Minimum Load kg (lbs)	Maximum Load kg (lbs)	Stroke “S” mm Inches
6002 AG6	3.56(700)	4.09(805)	646(1425)	5,000(11,000)	844.5(33.25)
6002 AG7	4.06(800)	4.67(920)	646(1425)	5,000(11,000)	1,111.3(43.75)
6002 AG8	5.08(1,000)	5.84(1,150)	862(1,900)	3.175(7,000)	1,739.9(68.5)
6002 AF1	1.27(250)	1.45(288)	600(1323)	4545(10,000)	127(5)
6002 AF2	1.78(350)	2.04(402)	600(1323)	4545(10,000)	215.9(8.5)
6002 AF3	2.03(400)	2.34(460)	600(1323)	4545(10,000)	279.4(11)
6002 AF4	2.54(500)	2.92(575)	600(1323)	4545(10,000)	431.8(17)

Hydraulic Oil Specifications:

- Viscosity Index: 95 min. (ASTM D2270).
- Oil Viscosity: 145-155 SSU (Saybolt Seconds Universal) at 100 deg. F, cold pour point 0 deg. F.

Terms and Conditions: The above buffers, when used with buffer oil with properties as described above, are accepted for the following:

1. Minimum weight of car or counterweight per buffer. See above listing.
2. Maximum weight of car counterweight per buffer. See above listing.
3. Maximum striking speed (115% of rated speed) as tabulated above.

All shipments and deliveries of such materials shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance May 8, 2006

Examined by Sivan Derkshdam