

CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) Division.

Patricia J. Lancaster, A.I.A., Commissioner

MEA 135-03-M
Report of Material and Equipment Acceptance Division

Manufacturer – Thyssenkrupp Elevator Manufacturing, 600 Main South, Middleton, Tennessee 38052.

Trade Name- Thyssenkrupp.

Product – Elevator oil buffers.

Pertinent Code Section(s) - 27-987, RS 18-1.

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

Laboratory – CSA International.

Test Report(s) – CSA Report No. 0145380000 dated March 19, 2002.

Description – Car or counterweight buffer used to decelerate a passenger of 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 A17-1 with the following parameters:

Model	Rating Speed m/s (fpm)	Max. Striking Speed m/s (fpm)	Min Load kg (lbs)	Max Load kg (lbs)	Stroke “S” mm (in)
6002AB1	1.27 (250)	1.46 (288)	646 (1,425)	5,000 (11,000)	127 (5)
6002AB2	1.78 (350)	2.04 (402)	646 (1,425)	5,000 (11,000)	215.8 (17)
6002AB3	2.03 (400)	2.34 (460)	646 (1,425)	5,000 (11,000)	279.4 (11)
6002AB4	2.54 (500)	2.92 (575)	646 (1,425)	5,000 (11,000)	431.8 (17)
6002AB6	3.56 (700)	4.09 (805)	646 (1,425)	5,000 (11,000)	844.5 (33.25)
6002AB7	4.06 (800)	4.67 (920)	646 (1,425)	5,000 (11,000)	1,111.3 (43.75)
6002AB8	5.08 (1,000)	5.84 (1,150)	862 (1,900)	3,175 (7,000)	1,739.9 (68.5)

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.

Recommendation - That the above buffers, when used with a buffer oil with properties as described above, be accepted for the following service:

1. Minimum weight of car or counterweight per buffer – see above listing.
2. Maximum weight of car or 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 acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance July 25/03

Examined by S Derkhuda