

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 31-03-M

Report of Material and Equipment Acceptance Division

Manufacturer – Hydronic Lift S.p.A./Italy Via Vespucci, 10200 Pero Milane, Italy 20016.

Trade Name- HL Oil Buffers, Kone.

Product – Elevator oil buffers.

Pertinent Code Section(s) – ANSI/ASME A17.1 Sections 201 and 1100.

Prescribed Test(s) – Conformity with ANSI/ASTM A17.1 Safety Code for Elevators and Escalators Sections 201 and 1100 Rule 1100.5 [11.1 (a)(i) spring return type oil buffers were tested for retardation, strength, oil leakage, plunger return and lateral plunger movement.

Laboratory – PTL – Pittsburgh Testing Laboratories, Inc., Pittsburgh, PA USA

Test Report(s) – PTL’s Report dated October 17, 1986 and amended June 26, 1989, signed by C.C. Cammarata, P.E.

Description – Oil buffer is designed to stop a descending car or counterweight beyond its normal limit of travel by storing or by absorbing and dissipating the kinetic energy of the car or counterweight.

The relation between KONE number and Hydronic Lift number.

Type KONE or H.L.	Kone Number	Hydronic Lift Number
OB 18	357600-G03	655001-G02
OB 20	357600-G04	655001-G03
OB 25	357600-G06	655001-G05
OB 35	357600-G09	655001-G08

Buffer Type 357600	G03	G04	G06	G09
Minimum Load (lbs.)	2580	2870	2870	2870
Maximum Load (lbs.)	11700	11700	11700	11700
Maximum Impact Speed (FPM)	407	460	575	805
Rated Speed (FPM)	354	400	500	700
50% Stroke Rated Speed (FPM)	-	-	705	985
33.3% Stroke Rated Speed (FPM)	-	-	-	1210
Overall Height (in.)	30.12	36.02	51.18	93.11
Stroke (in.)	9.06	11.42	17.13	33.86

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 Deshpande