

ISO 7176-8 KERB DROP TEST REPORT

TEST PERFORMED AT: Newman Engineering Inc.
61 Research Road
Toronto, ON., Canada
M4G 2G8

MANUFACTURER: PDG
5810 Highbury Street
Vancouver, B.C., Canada
V6N 1Z1

DATE OF TEST: August 20, 1996

WHEELCHAIR TYPE AND DESCRIPTION: Eclipse 600 24 in. wide built on or about Aug. 10, 1996
-90 durometer shock absorbers
-brazed and welded tubular steel frame
-23.5 in. OD rear wheels with quick-release axles (rear axle located at fourth hole from front)
-5 in. Darcor front castors
-Invacare footrests
-2 in. Delrin spacer at front
-seat at highest position at rear
-back was vertical and at 2 positions from rearmost
-Substituted back fabric with polyester tape webbing
- 4 in. medium density urethane foam on seat

TEST DUMMY: 26 lb steel frame with hinged back supporting 574 lb of sand in approx. 30 lb PP bags.

NO. OF CYCLES COMPLETED: 2239 drops @ 2" vertical

COMMENTS:
- Looseness was noted on the vertical axis of the two Darcor front castors after the test.
-No failed components noted (no yielding or cracks).
-No loosening of fasteners noted.
-Suspension elements not affected by test.

CONCLUSION: The wheelchair met the requirements of Clause 4.1 of ISO 7176-8 for the Kerb drop test as modified to accommodate 600 lb loads.