

SNELL MEMORIAL FOUNDATION  
STANDARD FOR PROTECTIVE HEADGEAR

APPENDIX II

JANUARY, 1973

SKIER HELMETS

In accommodation to certain specialized conditions inherent in skiing, several technical modifications have been developed in the general Standard for Protective Headgear of the Snell Memorial Foundation.

The basic requirements set forth in the general Standard relative to construction, sampling, labeling and marking, extent of protection and test of retention system shall remain unchanged. Technical change shall be observed as follows:

1. CONDITIONING FOR TESTING.

- (a) One helmet shall be conditioned by being exposed to a temperature of  $-30^{\circ}$  C.  $\pm$   $2^{\circ}$  C. for not less than 4 hours, nor more than 24 hours.
- (b) The high temperature conditioning portion of the general Standard shall be omitted.

2. CONSTRUCTION. The shell may be smoothly covered with a fabric material.

3. PENETRATION TEST. The height of the fall of penetrator shall be 1 meter  $\pm$  1.5 cm.

4. SHOCK ABSORPTION TEST.

- (a) Each helmet shall receive a single impact in each of not less than four sites. Two anvil configurations shall continue to be used.
- (b) Impact energy shall be 66 ft. pounds (89.76J) for impacts against both flat and hemispherical anvils (6 ft. or 183 cm. drop). Maximum allowable peak acceleration of the helmeted headform shall continue to be 300 G's.