

Figure 2: helmet test areas, EN 443.

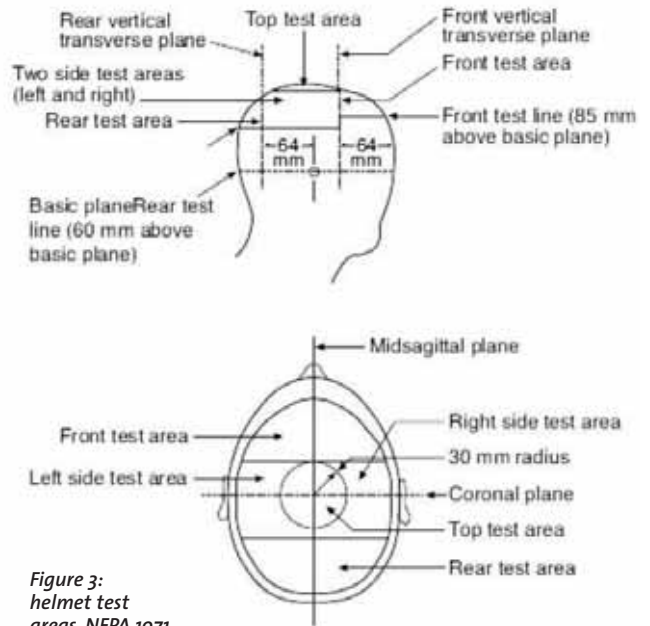


Figure 3: helmet test areas, NFPA 1971.

The tip of the inner cone is applied to the helmet shell from below the helmet at an angle of 90° to the basic plane as follows:

- At the intersection of the front edge of the brim and the middle-sagittal plane
- At the intersection of the each side of the brim and the coronal plane
- At one location on the edge of the brim to be determined by test laboratory.

Conclusion

I have attempted out outline the main differences between the two norms but considering the complexity of the matter dealt with and the great differences between the measurement methods, it is impossible to provide a complete guide.

At the end of the day both standards define minimum requirements for the production of an optimum product. |

From the Name in Safety, Rescue and Survival...

JSA-200 Plastic Stretcher

Ideal for unusually rugged rescue situations such as industrial, mining or construction.

The Junkin Plastic Stretcher is constructed of a yellow high-density polyethylene shell, supported by a stainless steel outer rail, permanently attached with stainless steel semi-tubular rivets. Includes molded runners and a fully exposed outer rail. Foam pad secured to stretcher, non-absorbent and four patient restraint straps.

Dimensions
 Length: 84 1/2"
 Width: 24"
 Depth: 7 1/2"
 Load Capacity: 1200 lbs.
 Shipping Weight: 31 lbs.

JUNKIN SAFETY APPLIANCE COMPANY
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TEST	EN 443:2007	NFPA 1971:2007 Standard for fire fighting helmet
Contact with chemical liquids	✓	✗
TPP Ear cover	✗	✓
Ear cover, flame resistance chin strap	✗	✓
Ear cover, chin strap heat resistance	✗	✓
Electrical resistance	✓	✓
Flame engulfment	✓	✗
Flame resistance	✗	✓
Hardware corrosion	✗	✓
Heat and thermal shrinkage resistance test	✗	✓
Heat resistance	✓	✗
Hot solids - 1a and 1b	✓	✗
Impact (acceleration)	✗	✓
Label legibility	✗	✓
Lateral Crushing	✓	✗
Molten metal - 1a and 1b	✓	✗
Penetration	✓	✓
Radiant Heat	✓	✗
Retention system effectiveness	✓	✗
Retention system strength	✓	✓
Shell retention	✓	✓
Suspension retention	✗	✓
Thread heat resistance	✗	✓
Top impact (Force)	✓	✓
Trim retroreflectivity and fluorescence	✗	✓

Comparison of all tests for both standards.