Issue 62

In this Issue:

Calling all Hockey Players: How Safe & Durable is Your Equipment?

Imagine being struck by a hockey puck traveling 100+ MPH while on the ice. As is the daily grind of hockey players everywhere, they rely heavily on the gear they choose to protect their bodies.

"We are seeing a trend in hockey equipment today that focuses on equipment being lightweight," explains Olivier Jajko, Product Engineer at Warrior Sports, a leading global sporting goods manufacturer. "What customers may not know is that in order to reduce the overall weight of the equipment, some manufacturers are reducing the amount of material used." Read more

Technical Tip: Challenges with Steel

New generations of Advanced High Strength Steels (AHSS) introduce challenges, such as gripping and strain measurement, when performing a tensile test. As material strength increases, typically hardness also increases, and this leads to gripping challenges around grip slippage and premature wear of jaw faces. Read what we suggest

Q. What tup do I use on my 1,800 J (1,330 ft-lb) drop tower?

As a starting point for this response, the 1,800 J is the impact energy that your drop tower is capable of reaching. Selection of which tup to use does not have as much to do with the impact energy as it does the way that the sample being hit reacts to the impact. Read full answer

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