

BORON AND UHSS

"The largest foreseeable hurdle in extrication for the next several years will be the auto industry's increased use of High Strength Low Alloy (HSLA), and Ultra High Strength (UHSS/Boron)"

Dwayne Bales, University of Illinois School of Fire Science

These exotic metals present a serious problem for most hydraulic cutters on the market today. At Genesis, we have recognized the urgent critical need for more powerful cutters and have responded by not only producing some of the strongest cutters on the market, but testing each of them on the latest Boron / UHSS steel reinforced vehicles in order to assure rescue personnel of reliable performance during real life extrications.



A-Post 2013 Mercedes Benz

BORON / UHSS



VEHICLE MAKE: SUBARU
VEHICLE YEAR: 2014
PASSENGER
BORON: POSSIBLE

ATTENTION RESCUE PERSONNEL!

- * boron steel confirmed
- * use only boron capable cutter

2014 SUBARU B-POST

BORON / UHSS



UHSS requires an enormous amount of compression force to cause it to catastrophically crack or shatter. The cutter does not actually cut the UHSS material. UHSS steel has very similar properties to that of glass, as it is extremely hard, but very brittle. As you watch the video you can see this concept by listening for the "crack" of the UHSS bars as they are cut. The enormous amount of pressure it takes to "crack" the bars is where hydraulic cutters don't measure up. All except for the full line of Genesis Boron Capable cutters as is demonstrated by the accompanying video.



Scan the code to watch blade change video

EXTRICATION RESEARCH

We work in conjunction with leading instructors and major insurance companies to seek out vehicles that present rescue personnel the greatest difficulty in extrication. This gives Genesis, and the end user the ability to see first hand how the tools will perform in real life extrications, on the toughest vehicles that employ the use of boron, UHSS technology.

