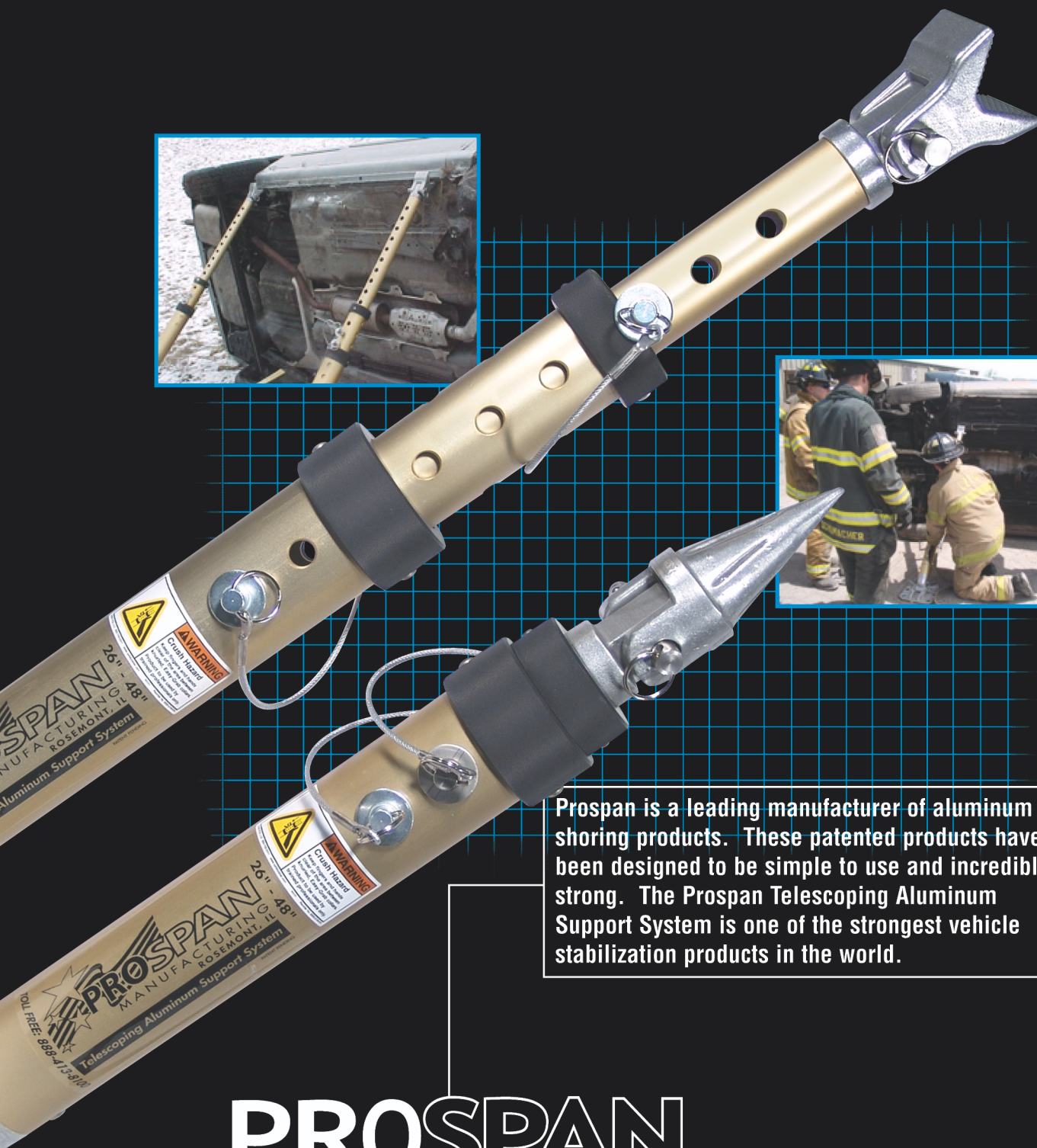


# Telescoping Aluminum Support System



Prospan is a leading manufacturer of aluminum shoring products. These patented products have been designed to be simple to use and incredibly strong. The Prospan Telescoping Aluminum Support System is one of the strongest vehicle stabilization products in the world.

**PROSPAN**  
TELESCOPING ALUMINUM SUPPORT SYSTEM

# Telescoping Aluminum Support System

## Features

- 3-Tiered, Telescoping Aluminum Pistons
- Knurled, Easy-Grab Collars
- Tethered Detent Ball Pins
- Anodized Finish
- Incredible Strength



**Kit #3**



**Kit #2**  
**43" - 102"**

**Kit #1**  
**26" - 48"**

## UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

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10013 Norwood St.  
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### Certification of Test Results of Prospan Vehicle Support System

July 12, 2003

Dear Mr. Sullivan:

This memorandum summarizes the test procedure and test results for two samples of a Prospan telescoping aluminum vehicle support system in the 3,000,000-lb Southwark-Emery testing machine located at Talbot Laboratory, University of Illinois at Urbana-Champaign (UIUC), on July 11, 2003, under my supervision. Witnesses included James G. Sullivan of ProSpan; James Dodson and Sharon Dodson of the Urbana Fire Department; and Kent A. Elam and Danny L. Mullis of the TAM Research Machine Shop.

#### Test Procedure

One of the two telescoping aluminum vehicle support systems was extended fully and placed in the compression region of the Southwark-Emery testing machine, as shown in Fig. 1. The support system includes a cast aluminum base with a transverse pin that supports the uppermost section; this base rested directly on the floor of the testing machine. The uppermost section is fitted with a small rectangular aluminum casting that was placed in direct contact with an aluminum block attached to the loading platen. The telescoping sections of the support system were held in position by means of transverse steel pins inserted through holes in the sections.

A slowly increasing load was applied to the test specimen over a period of several minutes by lowering the loading platen. The load on the specimen was measured by means of a Tate-Emery load cell that is part of the crosshead of the testing machine. This load cell has an accuracy of 0.1% of the indicated load, traceable to the National Institute of Standards and Technology (NIST), with a precision of 0.1 kips, over the range 0-400 kips. (One kip equals 1000 pounds.)

After the first specimen failed, as determined by reaching a maximum load, the specimen was removed. The second specimen was then installed in a similar manner, except that

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# PROSPAN

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Dealer Imprint Area