



# Helitech Support Column



The HSC System (Helitech Support Column) replaces conventional concrete block, brick, and wood timber posts by providing superior support to existing beams and floor joists in your crawl space.

## Problem

Floors above crawl spaces are susceptible to problems created within the crawl space itself. High moisture content is common with damp soil which can lead to poor soil conditions and movement with traditional support columns. As the soils beneath the home become saturated, the columns can no longer provide the necessary support and then often settle.

Sagging beams and floor joists can also result from the improper spacing of existing support columns or a weakened floor system due to excessive moisture, bug damage, or wood rot. As these forces of nature occur in the crawl space, the floors above begin to noticeably sink and sag.

## Solution

The HSC standard column length is 3 foot and then field-cut to the specific application. A heavy-duty, threaded adjustment at the top allows for the load to be securely transferred to the column.

The HSC is designed to rest on a pre-compacted aggregate footing of crushed base rock material. The compacted base material will absorb the load that is transferred from the existing support beam to the HSC bearing plate to provide a secure and stable foundation.



## Installation Steps

1. Footing pad is excavated and base material of poured concrete or compacted rock is prepared.
2. High capacity support column is measured and cut to precise length.
3. Steel components of the HSC are carefully assembled and installed.
4. The HSC is installed to the underside of the load beam and secured.
5. The floor system load is transferred to the HSC and any final adjustments are made and locked down.



**Compacted  
Rock Base**



**Poured Concrete Base**



**Completed Project with Encapsulation**

The strongest support column in the industry,  
backed by our Helitech Promise.

**Life happens in your home.** We believe you and your home deserve the best. Grounded in our commitment to faith and family first, our trusted team has been caring for homes just like yours since 1987. We offer effective and permanent waterproofing and foundation repair solutions that will withstand the life of your home; **this is our Helitech Promise.**



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