



## Product

**Custom Stainless Steel Multi-beam Coupling**

## Application

**Rocket Launcher Position Sensor**

## Highlights

- Custom-designed, 6-beam (double-flex, non-relieved) coupling
- Accommodates both high angular and parallel misalignment
- Specially-molded neoprene gaiter

Huco Dynatork couplings were selected for position sensing in a rocket launcher control system. The Huco couplings had to prove their reliable operation in extremely aggressive environments. The brand of coupling initially chosen for the job failed consistently. A cocktail of heat, dust, debris and combustion products resulting from a missile launch created a viscous mass that completely solidified the original coupling, rendering it rock-hard and useless.

To meet the challenges associated with the extremely aggressive operating environments, Huco engineers developed a simple, but clever solution. The result was a coupling based on Huco's standard 19mm diameter, stainless steel multi-beam coupling (a design that is ideal for accommodating both angular and parallel misalignment). A stretched version of the original coupling was made – nearly double the standard length – and modified to accept a specially-molded neoprene gaiter that effectively shields the beam mechanism from debris attack.

Nearly a year of exhaustive trials proved the Huco custom-designed product to be the ideal solution. Quantities were ordered for retrofitting onto armored launch vehicles and spares.

US (Customer Service)  
**1-888-829-6637**  
huco.com

Europe  
**+44 (0) 1992 501900**

Asia Pacific  
For a list of our AP sales offices:  
[altramotion.com/contactus](http://altramotion.com/contactus)