



Photo courtesy of CLAAS Industrietechnik

## Product

## Multi-Beam Couplings

## Application

## Tractor Transmission

## Highlights

- 6-Beam, double flex, non-relieved couplings
- Helical cut design provides high torque capability & reduced backlash
- Accommodates axial motion, and angular & parallel misalignment
- 303 Stainless steel construction
- Contaminant-free, fully deburred and cleaned

The CLAAS Group is one of the world's leading providers of harvesters, tractors, sowing machinery and agricultural systems. CLAAS Industrietechnik GmbH, based in Paderborn, Germany is part of the CLAAS Group that focuses on drive technology including gearboxes and hydraulics.

CLAAS Industrietechnik needed a coupling solution for use in the transmission for its newest range of ARION 500/600 series tractors. Having identified a contamination issue caused by the 'as-machined' delivery condition of many manufacturers' standard couplings, CLAAS approached Huco for a specialized solution which would perform reliably.

The function of the coupling is to transmit rotation from the electric positioning motor to the hydrostatic module within the power-split transmission. The coupling has to provide elastic transfer of the forces and, because it's operating in a hydraulic system, it needed to be contaminant-free.

Engineers at Huco Dynatork were immediately able to recommend its multi-beam couplings to perform as required within the gearbox. The coupling's helical-cut design provides a higher torque capability and reduced backlash when compared to single beam couplings and will readily accommodate axial motion and angular & parallel misalignment.

Huco was able to offer its stainless steel multi-beam coupling complete with a full deburring and cleaning service. As a result, there were no issues with swarf or metal chips contaminating the hydraulic system.

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)