

# Hydraulics & pneumatics

A Penton Publication  
October 2004

SERVING FLUID POWER AND MOTION CONTROL ENGINEERS WORLDWIDE

## In this issue

### **Pressure control valves**

**Page 34**

### **Diagnosing your pneumatic system**

**Page 40**

### **Spotlight on air hose**

**Page 46**

## **Taking Hold of**

# **Machine Tools**

**Page 30**

[www.fpweb.com](http://www.fpweb.com)

COMPLIMENTS OF  
**Indiana Fluid Power**  
SEE BACK COVER  
1198

## New fitting eases assembly, boost reliability

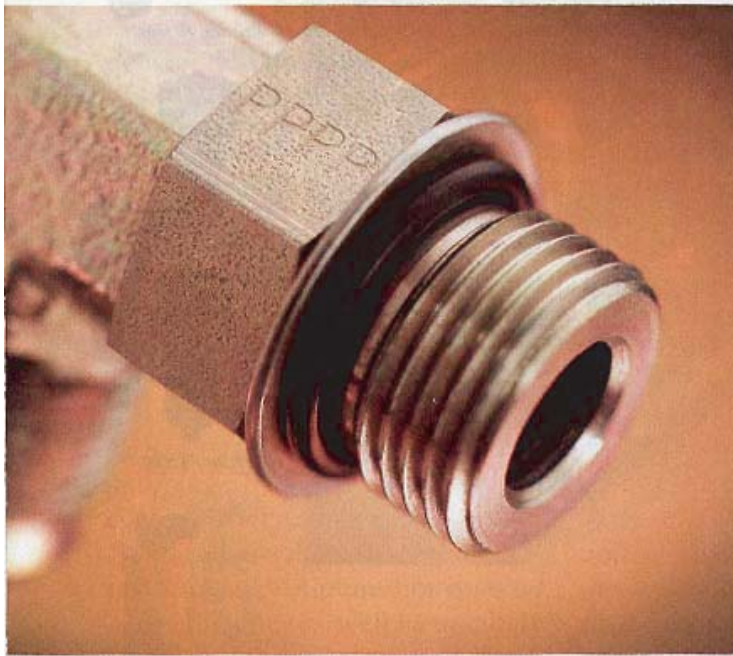
**A** new adjustable port stud from Parker Hannifin's Tube Fittings Division, Columbus, provides easier field assembly while elimi-

nating the potential for damage to the backup washer, which otherwise could allow leakage.

Compared to standard port studs, Parker's Robust Port Stud features a thicker locknut that engages more threads to provide more gripping area for tightening the locknut. In the previous design, thread exposure below the locknut could allow damage to the backup washer that pinches the O-ring. This condition could make the O-ring vul-

nerable to extrusion, ultimately resulting in leakage. The beefier locknut eliminates the exposed threads, thereby preventing potential damage to the backup washer and O-ring.

Interchangeable with current SAE adjustable connectors, the Robust Port Stud also boasts an easy, three-step assembly and requires no retrofitting of parts. The enhanced design is a running change in Parker's SAE product line that includes Triple-Lok, Seal-Lok, and Ferulok. The company also plans to apply the technology to its metric and BSPP adjustable connectors.



**A thicker washer makes the O-ring of the robust Port stud less vulnerable to extrusion.**

*For more information on the Robust Port Stud, contact a Parker Distributor or visit Parker's website at [www.parker.com/tfd](http://www.parker.com/tfd) for a current list of distributor locations.*