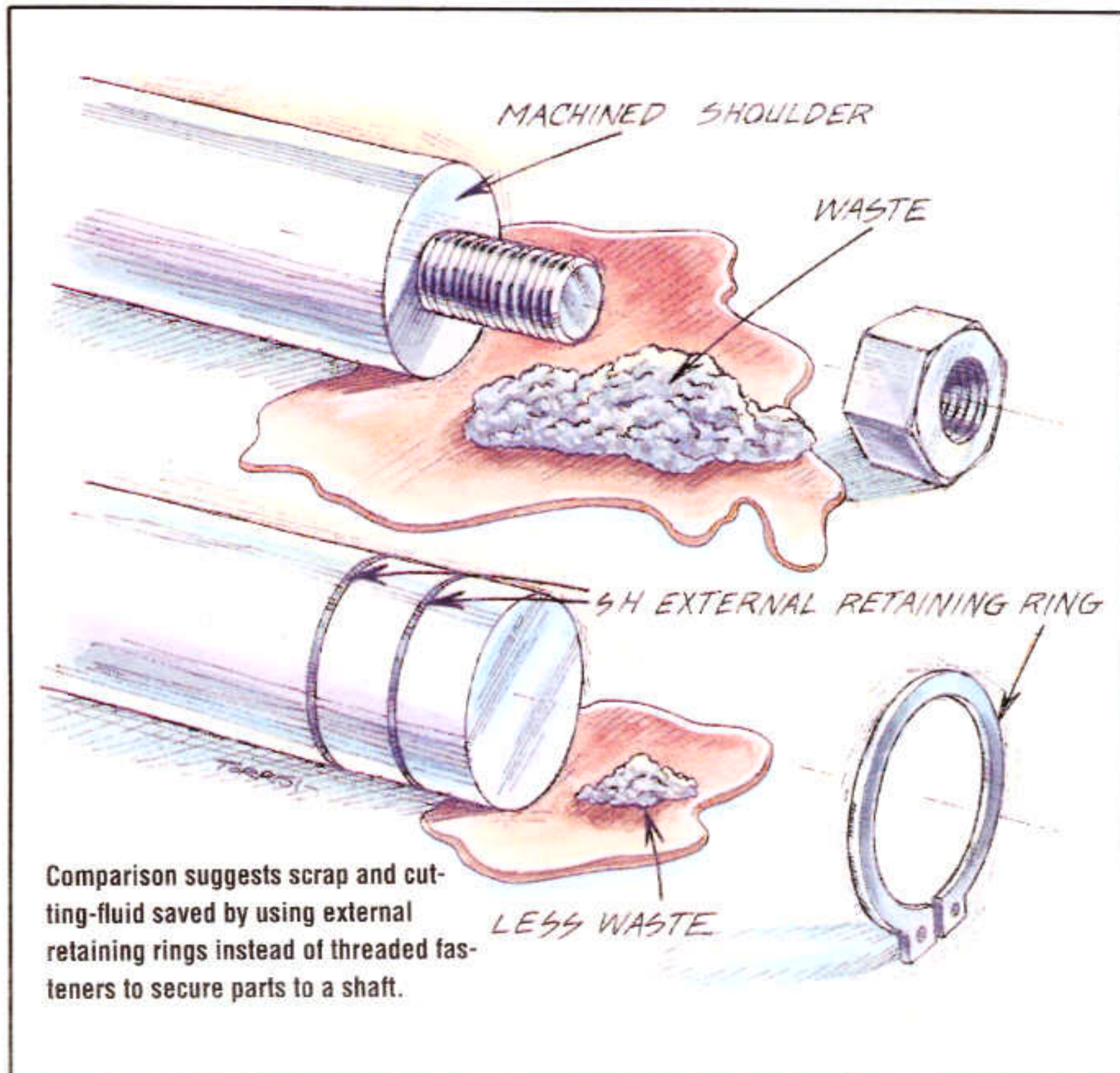


design news

Designer's corner

Useful technology for your idea file

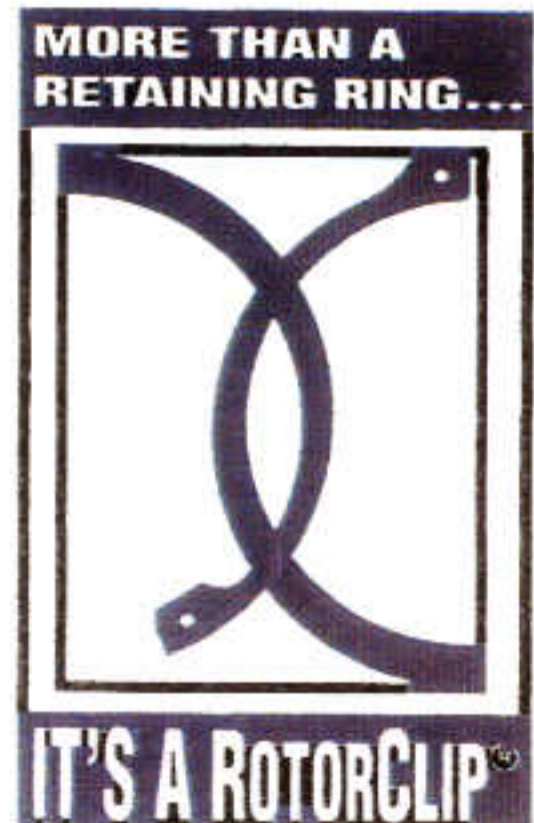


Greener fasteners

It's not a breakthrough but a heads-up: Using retaining rings in place of threaded fasteners where appropriate reduces scrap and hazardous-waste generation. In a recent demonstration, machining a shoulder and screw threads onto a 1/2-inch cold-rolled steel shaft to accept a washer-and-nut retainer generated 0.021 lbs of waste. Machining grooves to accept SH-50 retaining rings produced just 0.003 lbs of waste and used correspondingly less cutting fluid.

With a flat ring serving as the shoulder and a dished or "bowed" ring to take up end play, a proper ring-retention design accepts thrust loads to 550 lbs.

Reprinted from DESIGN NEWS September 25, 1995
©1995 by CAHNERS PUBLISHING COMPANY



For More Information, Call: **1-800-55-ROTOR** Ext. 255

R **Rotor Clip Company, Inc.**
187 Davidson Avenue ■ Somerset, New Jersey ■ 08875-0461
908-469-7333 ■ Fax: 908-469-7898 ■ 1-800-557-6867

