



162162

ABSTRACT



G00002

PRELOADED SQUUNCH CONNECTOR

A connector for connecting two tubular members has a pin and a box, the box having a bore that receives the pin in stabbing engagement. The bore having a grooved profile, and a split lock ring mounted to the pin, the lock ring snapping into engagement with the grooved profile in the box when the box and pin are stabbed together to lock the tubular members together. An annular wedge shoulder is located on the pin axially spaced apart and facing a rim on the box. The wedge shoulder and rim are inclined relative to each other, resulting in a closer axial distance between them at outer diameters of the pin and box than farther inward. An annular recess is located on the pin at an inner portion of the wedge shoulder, the recess having an inner wall facing outwardly. A split wedge ring is located between the wedge shoulder and the rim, the wedge ring being outwardly moveable from a retracted position in the recess to a wedging position in engagement with the wedge shoulder and the rim to wedge the wedge shoulder and the rim apart from each other. A threaded member engages a threaded hole in the wedge ring and has an inner end that abuts the pin in the recess to push the wedge ring radially outward to the wedging position when the threaded member is rotated.

Figure 1