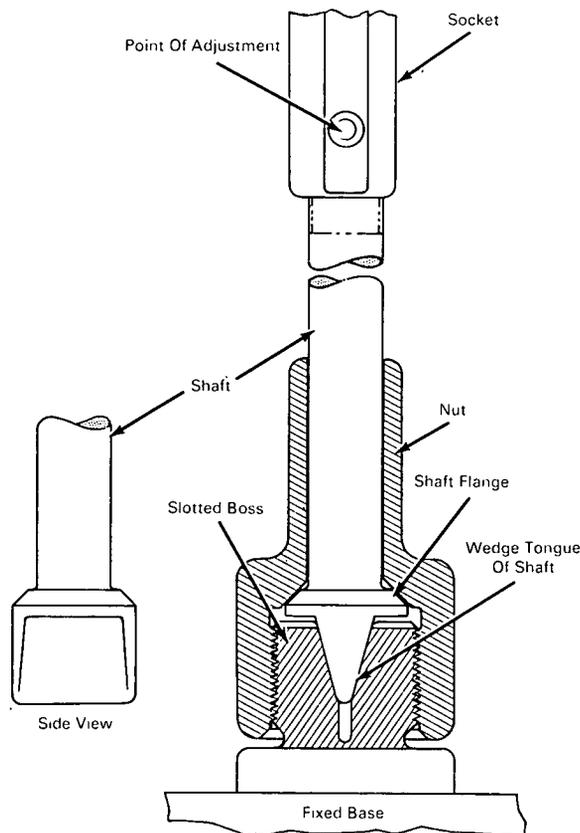


NASA TECH BRIEF



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Connect-Disconnect Coupling for Preadjusted Rigid Shafts



A coupling has been designed to enable a rigid shaft to be connected to or disconnected from a fixed base without disturbing the point of adjustment of the shaft in a socket or causing the shaft to rotate.

The coupling consists of an externally threaded, internally slotted boss extending from the fixed base and a nut that mates with the boss. The slot in the boss is wedge-shaped to engage a wedge-shaped, flanged

tongue at the end of the shaft. When the nut is tightened, the shaft is secured to the coupling in a rigid nonrotating assembly. After the shaft is initially locked in the socket at the point of adjustment, the shaft can be disconnected from or reconnected to the boss in the fixed base by loosening or tightening the nut as required, without causing the shaft to rotate or to change its initial adjustment point in the socket.

(continued overleaf)

Note:

No further documentation is available. Inquiries may be directed to:

Technology Utilization Officer
Manned Spacecraft Center
Houston, Texas 77058
Reference: B69-10375

Patent status:

No patent action is contemplated by NASA.

Source: A. Holmberg and F. W. Bajkowski of
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