

# Amphenol® CLUTCH-LOK™ Connectors for High Vibration Applications

The Latest in MIL-DTL-38999, Series III  
Connector Technology



## CLUTCH-LOK Connector provides:

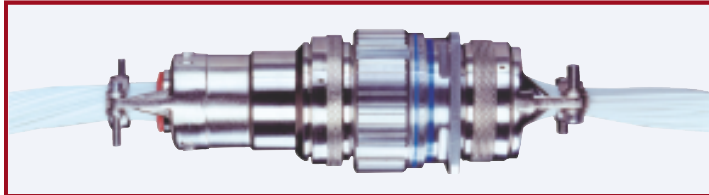
- Fast threaded coupling with a unique clutch design for enhanced anti-vibration and anti-decoupling benefits.
- All the advantages of MIL-DTL-38999, Series III - including EMI/RFI shielding and electrolytic erosion resistance.

Under vibration, the CLUTCH-LOK  
will not only remain mated and fully coupled,  
but will also tighten itself.

# Amphenol® Electrical Connectors for High Vibration Applications

Nobody knows MIL-DTL-38999 Series III like Amphenol Aerospace. We were the first to bring you the Series III stainless steel connector. We were the first to bring you the Series III composite connector.

Now, we're the first to bring you the easy coupling, high force decoupling CLUTCH-LOK™ for high vibration, harsh environment applications.



CLUTCH-LOK features and benefits:

- High degree of differential torque
- Infinite free coupling and positive metal-to-metal bottoming with each mating
- No settling back to the next ratchet tooth
- Available with stainless steel shells and Class K firewall inserts
- All the advantages of MIL-DTL-38999 Series III including EMI/RFI shielding, electrolytic erosion resistance and contact protection with recessed pins
- Enhanced connector performance at affordable prices
- Completely intermateable with all existing MIL-DTL-38999 Series III connectors
- Global supply access

## Amphenol CLUTCH-LOK™ MIL-DTL-38999 Series III High Vibration Connector

Originally designed for high vibration and harsh environments such as aircraft gas turbine engines, the New CLUTCH-LOK has many features and benefits that also make it the ideal choice for demanding applications such as aircraft, space and military ground vehicles.

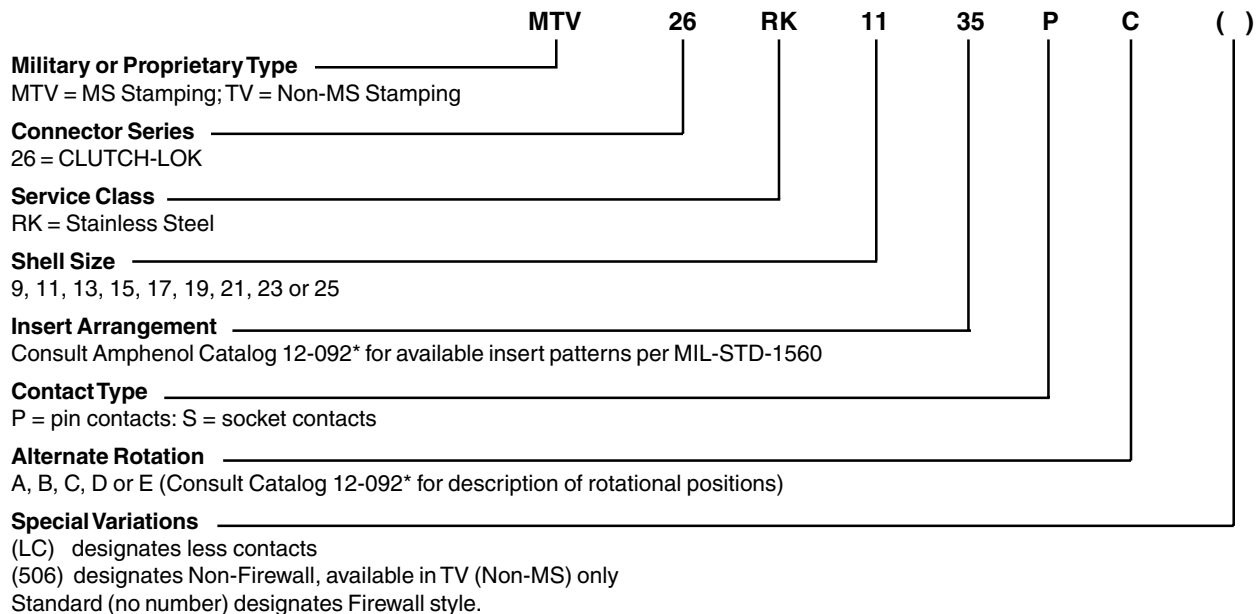
The unique clutch design of the Amphenol CLUTCH-LOK connector means that you don't have to compromise the need for quick, smooth mating of plugs and receptacles in order to get increased uncoupling torque.

The CLUTCH-LOK has proven to not only remain mated and pass all the Series III specification requirements - it also has proven to actually tighten itself under vibration. This is a powerful advantage over the traditionally high vibration application connectors. The CLUTCH-LOK is also a tremendous advantage in inaccessible, hard to reach areas where mating torque is difficult to apply and complete coupling is not verifiable by inspection.

Amphenol CLUTCH-LOK™ is covered by U.S. Patent #6152753

### Clutch-Lok™ How to Order

Amphenol® CLUTCH-LOK™ connectors can be ordered by coded part number. Ordering procedure is illustrated by part number MTV26RK1135PC( ) as shown below:



Amphenol offers several aircraft engine connectors within its broad scope of interconnection products. For further information on the CLUTCH-LOK connector or any of the other engine connectors from Amphenol, contact us at:

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40-60 Delaware Avenue, Sidney, NY 13838-1395  
Phone: 607-563-5011 or 800-678-0141 Fax: 607-563-5157  
**Website: [www.amphenol-aerospace.com](http://www.amphenol-aerospace.com)**

\* Amphenol® Tri-Start™, MIL-DTL-38999 Series III Connector Catalog.