

SAE Straight Thread Connector Use in MS33649

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SAE straight thread connectors, such as Parker F5OX, need a special hex chamfer of 35° to a controlled diameter to function properly in MS33649 port. In the past, when MS33649 was more popular, Parker fittings were made with this chamfer. However, this port has been superseded by SAE J1926-1 in industrial applications for over 50 years.

Since J1926-1 is a superior design, Parker, along with other manufacturers, discourages the use of MS33649 port in non-aircraft applications. In fact, a chamfer modification requirement for MS33649 will not be in the next printing of the SAE J514 specification, again to discourage the use of this port.

If you must use this port, you have to request fittings with this special chamfer requirement, which makes them special and more expensive.