

# Trailer Tow Bar Eye – SAE J847 AUG84

SAE Recommended Practice  
Completely Revised August 1984

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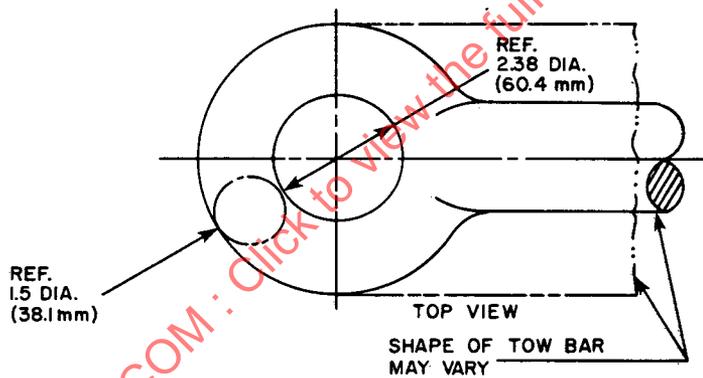
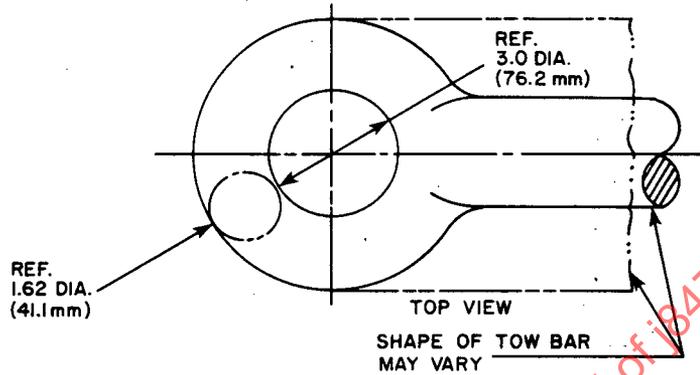
Report of the Transportation and Maintenance and Truck and Bus Technical Committees, approved June 1963, completely revised by the Truck and Bus Chassis Committee August 1984.

**Scope**—This SAE Recommended Practice applies to all highway trailer tow bar eye applications.

**Performance Requirements**—Trailer tow bar eyes, their attachment and support structures, must withstand a tow bar pull equivalent to 115% of the TVW (towed vehicle weight) of the towed trailer(s) without residual deformation to any component. In addition, for applications with vertical

loading on the tow bar (such as stiff-tongue dollies and flatbed utility-type trailers), the tow bar eyes, their attachment and support structures, must withstand a vertical upward load, applied at the end of the tow bar eye, equivalent to 75% of the TVW of the towed trailer without residual deformation to any component.

NOTE: Two acceptable sizes are shown:



The φ symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.