

Aerospace Information Report for
Continuous Flow Oxygen Hose Disconnect Fittings

RATIONALE

The intent of this document is to ensure the compatibility of the listed hose disconnects with an appropriate oxygen outlet. This document has been revised to reflect current industry specifications.

1. SCOPE

This Aerospace Information Report (AIR) indicates those dimensions, deemed critical by the manufacturer to assure proper mating of disconnect hose fittings. The dimensions are critical, but not necessarily complete, in defining these fittings since there are other criteria which must also be met.

1.1 Purpose

This AIR defines by drawing (see figures, pages 2 through 8), various available oxygen hose disconnect fittings. The intent is to provide enough data to examine a connector of uncertain history and determine what style of connector it is. This AIR does not offer sufficient information to design, manufacture, or qualify a conforming part.

NOTE: Dimensions shown in Figures 2 – 7 are either millimeters over inches, or degrees over radians. If a dimension contains a degree symbol (°) the dimension is angular, all other dimensions are linear.

2. REFERENCES

There are no referenced publications specified herein.

3. PRODUCT IDENTIFICATION

It is recommended that the item manufacturer place an identifying symbol upon each disconnect fitting.

WARNING: Care must be exercised in the selection of oxygen outlets and disconnect fittings, as the oxygen flow rate through the mated assembly is dependent upon an internal metering device. This metering device might be located in either half of the assembly.

CAUTION: The disconnect designs, with the military standard being an exception, are considered to be proprietary designs by the listed manufacturer and must be treated accordingly.

PREPARED BY
SAE COMMITTEE A-10, AIRCRAFT OXYGEN EQUIPMENT

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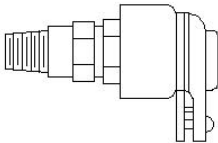
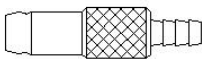
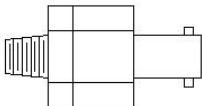
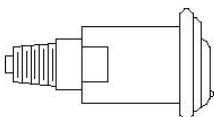
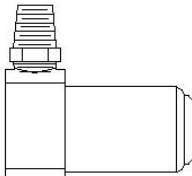
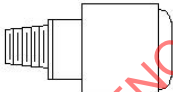
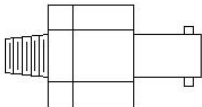
Oxygen OUTLETS	HOSE DISCONNECTS	DESCRIPTION
		ARO TYPE (REF. FIG 2)
		MILITARY STANDARD (REF. FIG 3)
		B/E AEROSPACE (OLD STYLE) (REF. FIG 4)
		B/E AEROSPACE (NEW STYLE) (REF. FIG 5)
		AVOX SYSTEMS INC. (REF. FIG 6)
		EROS (REF. FIG 7)

FIGURE 1 - OXYGEN OUTLETS AND MATING CONNECTORS

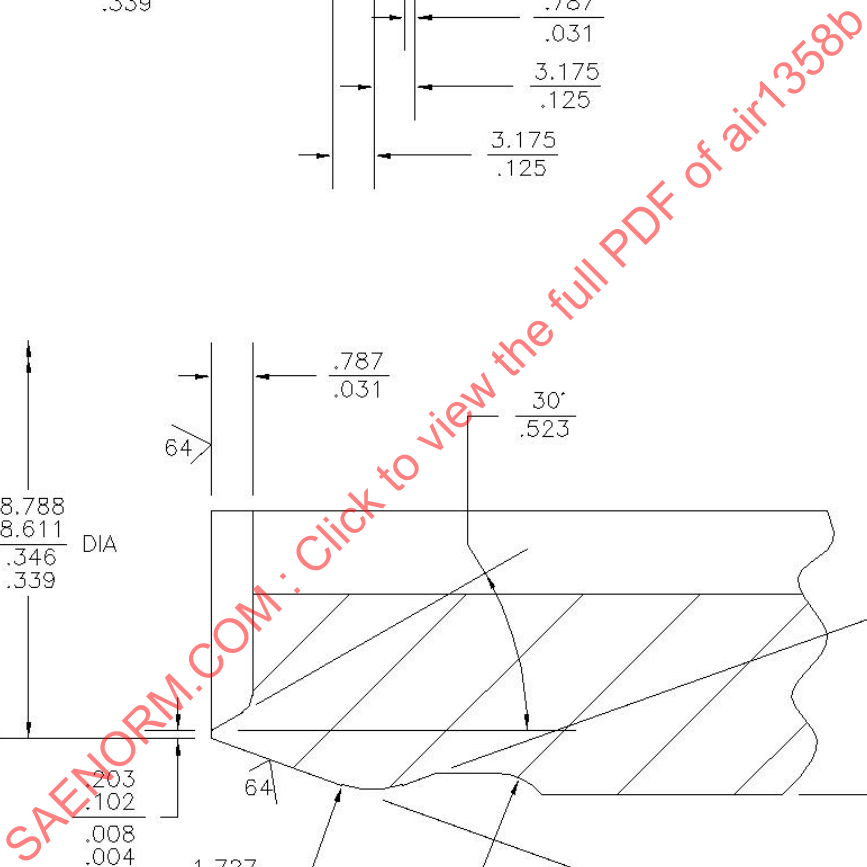
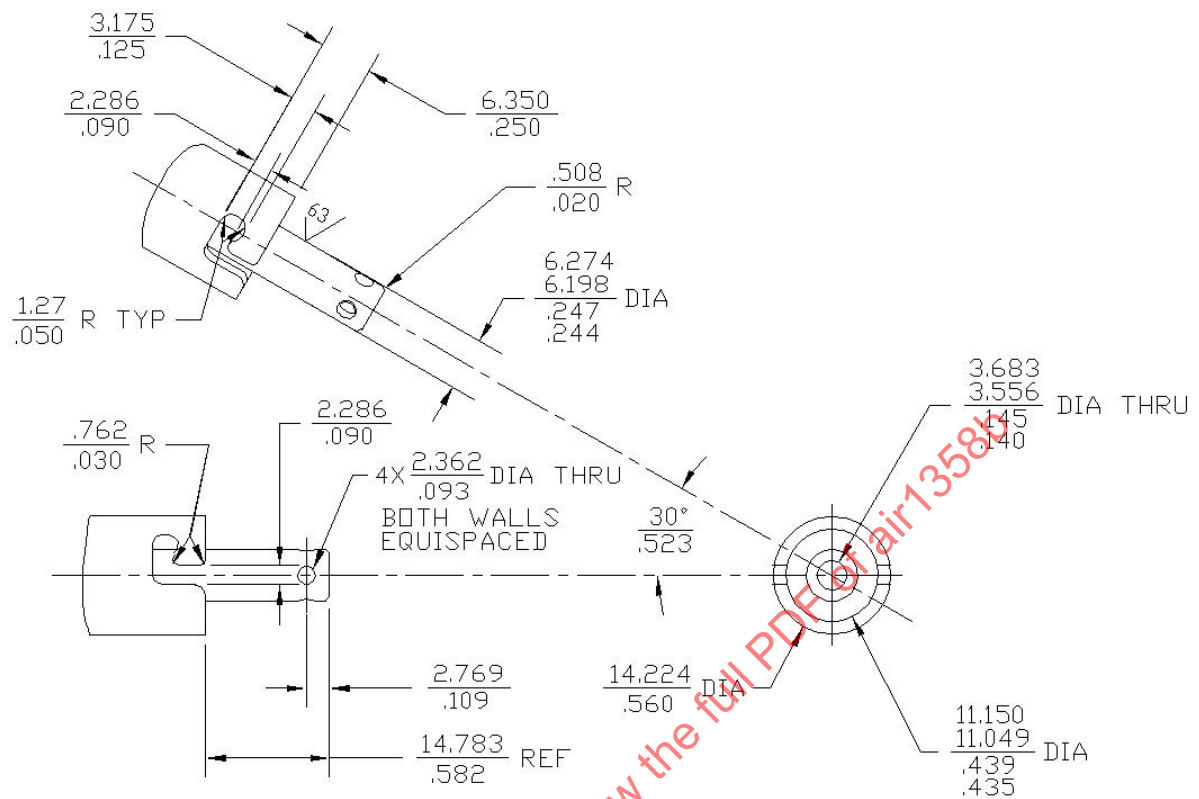
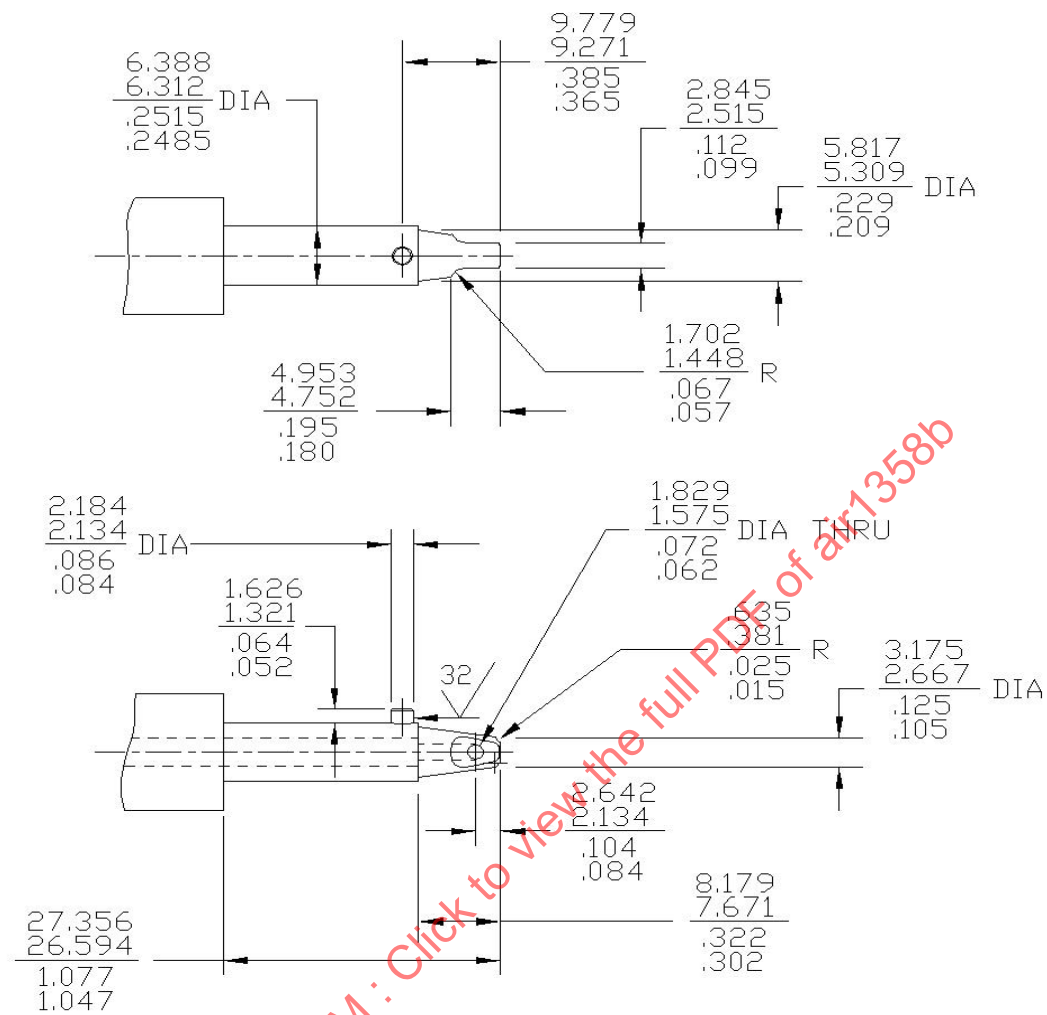


FIGURE 2 - ARO HOSE DISCONNECT FITTING



NOTE: THIS DISCONNECT IS SPRING LOADED

FIGURE 3 - MILITARY STANDARD HOSE DISCONNECT FITTING PER MIL-DTL-7560/1A
REFERENCE FITTING ASSEMBLY M7560/1-20



NOTE: ALL SURFACES TO HAVE $\sqrt{63}$ FINISH OR BETTER UNLESS OTHERWISE SPECIFIED

FIGURE 4 - B/E AEROSPACE (FORMERLY PURITAN-BENNETT)
HOSE DISCONNECT FITTING (OLD STYLE) MFG. CODE 16827

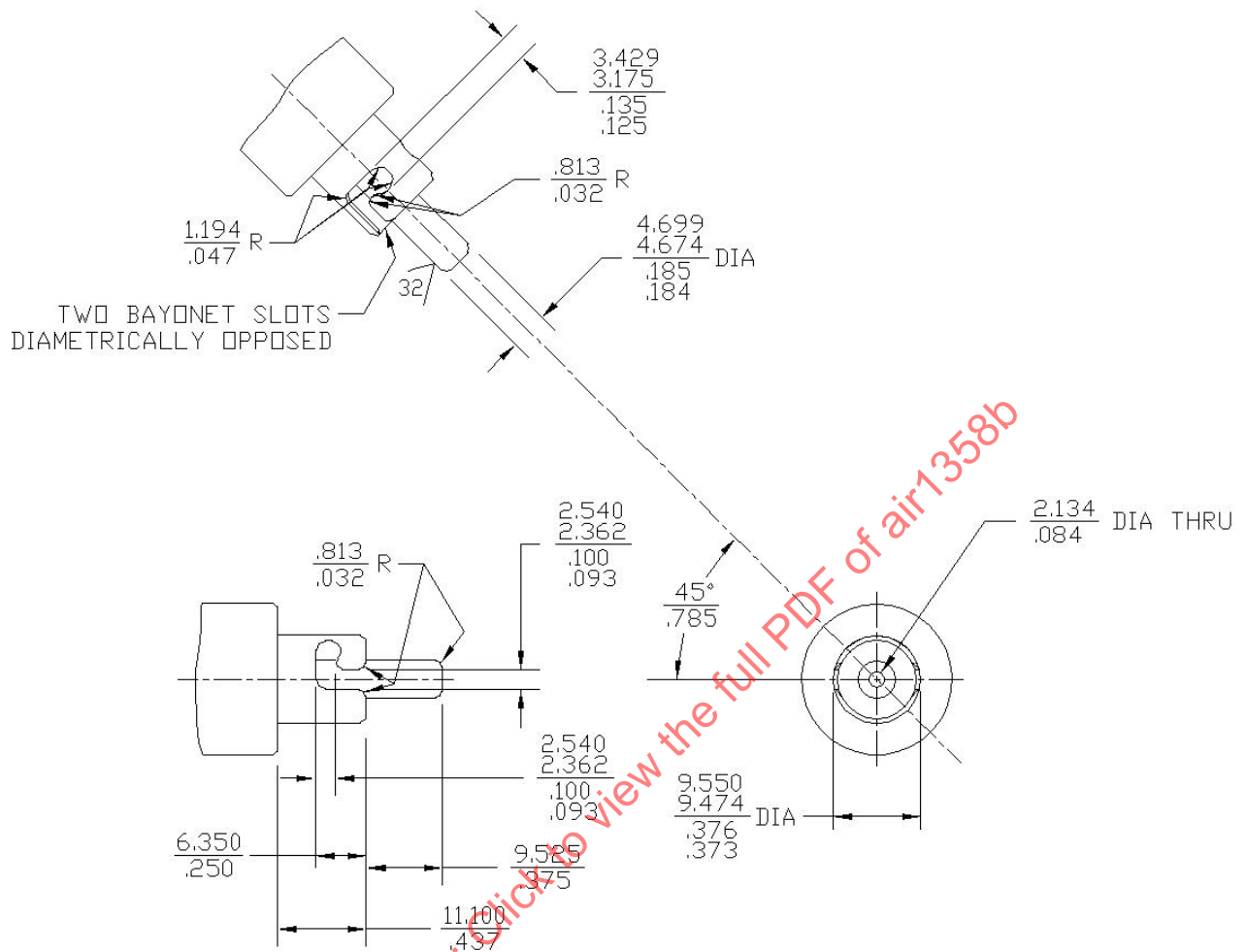


FIGURE 5 - B/E AEROSPACE (FORMERLY PURITAN-BENNETT)
HOSE DISCONNECT FITTING (NEW STYLE) MFG. CODE 16827