



## 3H-236-12 – Lightweight Medium Pressure Hoses

### Description

In accordance with MIL-DTL-83797.

Hydrasearch lightweight hose assemblies can be used as flexible connections in medium pressure airframe applications where flexibility, weight and fire resistance are important. Hydrasearch lightweight hose is used for applications with operating pressures up to 1000 PSI, and having a temperature range of -65°F to +250°F (see MIL-DTL-83797 for specific temperature ranges). Not recommended for hydraulic impulse applications or vacuum applications without internal support spring.

### PRODUCT TYPE

1. simple

### PRODUCT CAT

1. Defense
2. Aerospace Hose & Fittings
3. Hose
4. Lightweight Medium Pressure Hoses

### PRODUCT SHIPPING CLASS

1. Taxable Goods

### PA APPLICATIONS

1. Aircraft Power Plant And Airframe Oil And Fuel Lines. Hydraulic Applications Must Have Hydrasearch Approval.

### PA CONSTRUCTION

1. A. Inner Tube: Synthetic Rubber Or Copolymer. B. Reinforcement: Stainless Steel Wire Braid (Partial Inner Braid). C. Outer Cover: Full Coverage

---

**PA HOSE-ID-IN**

1. '0.688

**PA HOSE-OD-IN**

1. '0.938

**PA HOSE-SIZE-IN**

1. '3/4

**PA IDENTIFICATION**

1. Stainless Steel Wire Braid Outer Cover Band With The Specification Pin

**PA MAX-OPERATING-PRESSURE-PSI**

1. '1

**PA MIL-HOSE-PART-NO**

1. M83797/1-12-Xxxx

**PA MIL-SPEC**

1. Mil-Dtl-83797

**PA MIN-BEND-RADIUS-IN**

1. '4.50

**PA MIN-BURST-PRESSURE-PSI**

1. '4

**PA NOTES**

1. Mil Hose Part No.: Xxxx - The First Three Digits Indicate Length In Inches. The Fourth Digit Indicates Eighths Of An Inch. Dimensional Information Is For Reference Only. Variations From T

**PA OPERATING-SYSTEMS**

1. A. Severe Vibrating And Flexing. B. Resistant To Engine Oil And Cleaning Solvent Externally. C. Internal And External Temperatures From -65°F To +250°F. D. Internal Fluids

**PA PROOF-TEST-PRESSURE-PSI**

1. '2

**PA WEIGHT-LBS-PER-IN**

1. '0.026

**Date**

2025/07/01

**Date Created**

2024/03/22

**Meta Fields**

**Tax Status :** none      **Manage Stock :** no    **Stock Status :** instock

**Sku :**            3H-236-12

Hydrasearch