

INCH-POUND

MIL-DTL-5498H
26 March 2019
SUPERSEDING
MIL-DTL-5498G
22 April 2013

DETAIL SPECIFICATION

ACCUMULATORS, HYDRAULIC, CYLINDRICAL 3000 PSI, AIRCRAFT

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers hydraulic accumulators having a single-shell design with a piston type separator for use in aircraft hydraulic systems at rated pressures ranging to 3,000 pounds per square inch (psi) between the temperature range of -65 °F to 275 °F.

1.2 Size. Accumulators are of the sizes specified in [table I](#) (see [6.2](#)).

Comments, suggestions, or questions on this document should be addressed to DLA Aviation-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616 or e-mailed to STDZNMGT@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at <https://assist.dla.mil/>.

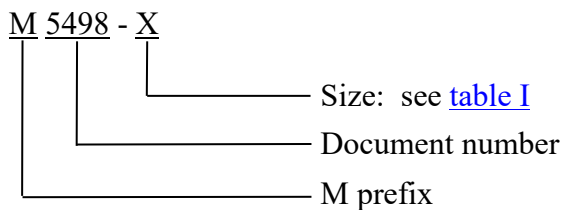
TABLE I. Dimensions.

Size number	Gas volume ¹ (cubic inches)		Tube size reference	A ±0.062	B ±0.062	C +0.000 -0.031	D	E +0.000 -0.016	G max.	H +0.000 -0.016
	Max.	Min.								
1	27	23	0.50	12.500	3.938	4.625	2.250	1.375	2.812	1.125
2	54	46	0.50	20.375	3.938	12.500	2.250	1.375	2.812	1.125
3	54	46	0.50	12.500	4.438	3.625	3.187	1.375	3.812	1.125
4	108	92	0.50	20.375	4.438	11.500	3.187	1.375	3.812	1.125
5	216	184	0.50	36.125	4.438	27.250	3.187	1.375	3.812	1.125
6	216	184	0.75	20.000	5.438	9.125	4.750	1.750	5.500	1.500
7	416	384	0.75	33.375	5.438	22.500	4.750	1.750	5.500	1.500

¹The gas volume in the table denotes the total gas volume of the accumulator with the piston bottomed on the fluid end of the accumulator.

NOTE: Dimensions are in inches. Unless otherwise specified, the tolerances are ±0.031.

1.3 Part or identifying number (PIN). The PIN to be used for accumulators acquired to this specification is created as follows:



2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of the documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

DEPARTMENT OF DEFENSE SPECIFICATIONS

AN818 - Nut, Tube Coupling, Short
MIL-PRF-83282 Hydraulic Fluid, Fire Resistant, Synthetic
Hydrocarbobb Base, Metric, NATO Code Number
H-537