

INCH-POUND

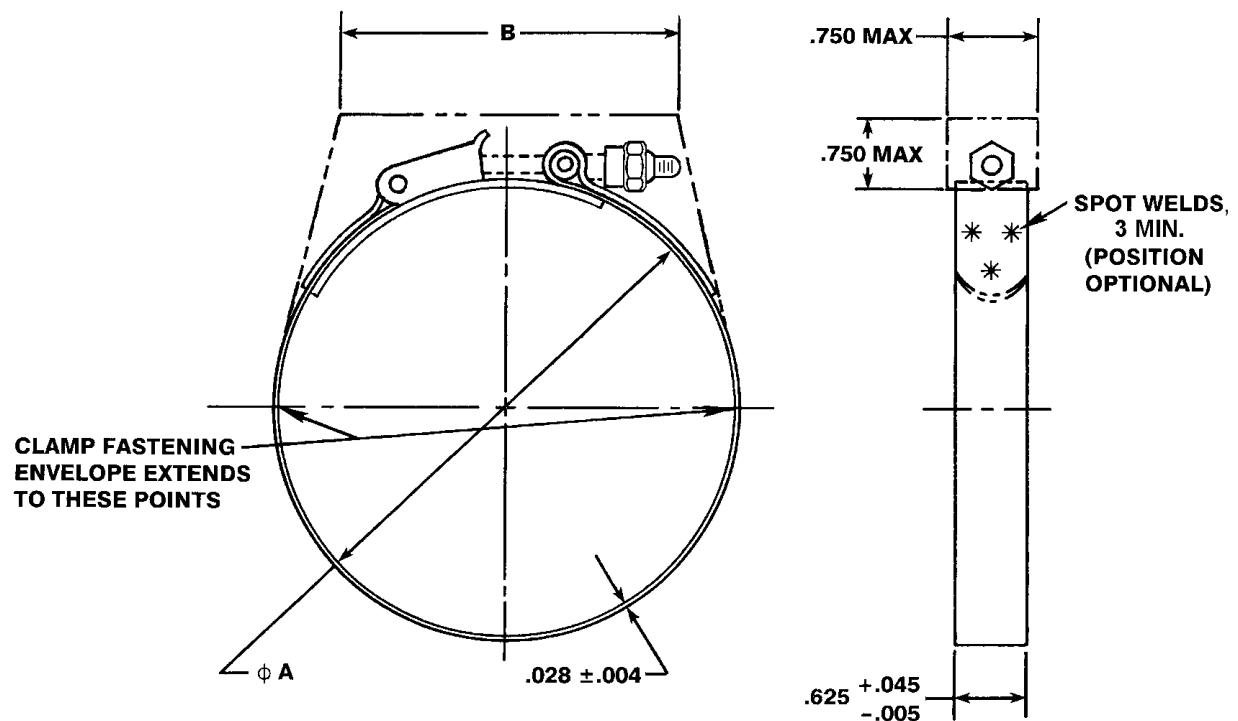
MIL-DTL-8783/1
 6 JULY 1998
 SUPERSEDING
 MS21920C
 8 December 1975

DETAIL SPECIFICATION SHEET

CLAMP, HOSE, FLAT BAND 500 °F

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

The requirements for acquiring the product described herein shall consist of this
 specification sheet and MIL-DTL-8783.

FIGURE 1. Hose clamp.

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AMSC N/A

FSC 4730

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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TABLE I. Dimensions, active part numbers.

Part No.	Part No.	A Inside Diametral Range		B Maximum		ADJM'T RANGE REF	WT LBS MAX	WT LBS MAX
T-BOLT LATCH	QUICK RELEASE LATCH	EXT'D MIN	CPRS'D MAX	T-BOLT TYPE	QUICK RELEASE TYPE		QUICK RELEASE	T-BOLT
MS21920-20	MS21920-20R	2.50	2.25	3.0	3.4	.25	.139	.095
MS21920-22	MS21920-22R	2.75	2.50				.143	.099
MS21920-24	MS21920-24R	3.00	2.75				.146	.102
MS21920-26	MS21920-26R	3.25	3.00				.150	.106
MS21920-28	MS21920-28R	3.50	3.25				.153	.109
MS21920-30	MS21920-30R	3.75	3.50				.157	.113
MS21920-33	MS21920-33R	4.12	3.75			.38	.164	.120
MS21920-35	MS21920-35R	4.38	4.00				.167	.123
MS21920-37	MS21920-37R	4.62	4.25				.171	.127
MS21920-39	MS21920-39R	4.88	4.50				.174	.130
MS21920-41	MS21920-41R	5.12	4.75				.178	.134
MS21920-43	MS21920-43R	5.38	5.00				.181	.137
MS21920-45	MS21920-45R	5.62	5.25				.185	.141
MS21920-47	MS21920-47R	5.88	5.50				.188	.144
MS21920-49	MS21920-49R	6.12	5.75				.192	.148
MS21920-51	MS21920-51R	6.38	6.00				.195	.151
MS21920-53	MS21920-53R	6.62	6.25				.199	.155
MS21920-55	MS21920-55R	6.88	6.50				.202	.158
MS21920-57	MS21920-57R	7.12	6.75				.205	.161
MS21920-59	MS21920-59R	7.38	7.00				.209	.165
MS21920-61	MS21920-61R	7.62	7.25				.212	.168
MS21920-66	MS21920-66R	8.25	7.62	3.8	4.2	.62	.227	.188
MS21920-70	MS21920-70R	8.75	8.12				.234	.190
MS21920-74	MS21920-74R	9.25	8.62				.241	.197
MS21920-78	MS21920-78R	9.75	9.12				.248	.204
MS21920-80	MS21920-80R	10.00	9.38				.251	.207

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TABLE II. Dimensions, inactive part numbers.

T-BOLT LATCH	QUICK- RELEASE LATCH	A Inside Diametral Range		B MAX		ADJUSTMENT RANGE REF	WEIGHT POUNDS MAX
		EXTENDED MIN	COMPRESSED MAX	T-BOLT TYPE	QUICK- RELEASE TYPE		
MS21920-21	MS21920-21R	2.62	2.38	3.0	3.4	.25	.143
MS21920-23	MS21920-23R	2.88	2.62				.146
MS21920-25	MS21920-25R	3.12	2.88				.150
MS21920-27	MS21920-27R	3.38	3.12				.153
MS21920-29	MS21920-29R	3.62	3.38				.157
MS21920-32	MS21920-32R	4.00	3.62			.38	.164
MS21920-34	MS21920-34R	4.25	3.88				.167
MS21920-36	MS21920-36R	4.50	4.12				.171
MS21920-38	MS21920-38R	4.75	4.38				.174
MS21920-40	MS21920-40R	5.00	4.62				.178
MS21920-42	MS21920-42R	5.25	4.88				.181
MS21920-44	MS21920-44R	5.50	5.12				.185
MS21920-46	MS21920-46R	5.75	5.38				.188
MS21920-48	MS21920-48R	6.00	5.62				.192
MS21920-50	MS21920-50R	6.25	5.88				.195
MS21920-52	MS21920-52R	6.50	6.12				.199
MS21920-54	MS21920-54R	6.75	6.38				.202
MS21920-56	MS21920-56R	7.00	6.62				.205
MS21920-58	MS21920-58R	7.25	6.88				.209
MS21920-60	MS21920-60R	7.50	7.12				.212
MS21920-64	MS21920-64R	8.00	7.38	3.8	4.2	.62	.227
MS21920-68	MS21920-68R	8.50	7.88				.234
MS21920-72	MS21920-72R	9.00	8.38				.241
MS21920-76	MS21920-76R	9.50	8.88				.248

Requirements:

1. The hose clamp shall be in accordance with figure 1 and tables I and II.
2. Material: See acquisition specification.
3. Finish: See acquisition specification.
4. Dimension B applies when the clamp is in the tightened condition at the maximum and minimum positions of its diametral range.
5. The T-bolt head/shank fillet radius shall be 0.030 inch minimum.
6. Remove all burrs and sharp edges.

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Notes:

1. Dimensions in inches.
2. The illustration is for identification purposes only and is not intended to restrict designs and shapes of fastening devices, which conform to the requirements and are within the envelope dimensions.

CONCLUDING MATERIAL

Custodians:

Air Force - 99
Army - AT

Preparing activity:

DLA - CC

(Project 4730-0860-01)

Review activities:

Air Force - 82
Army - AV, MI