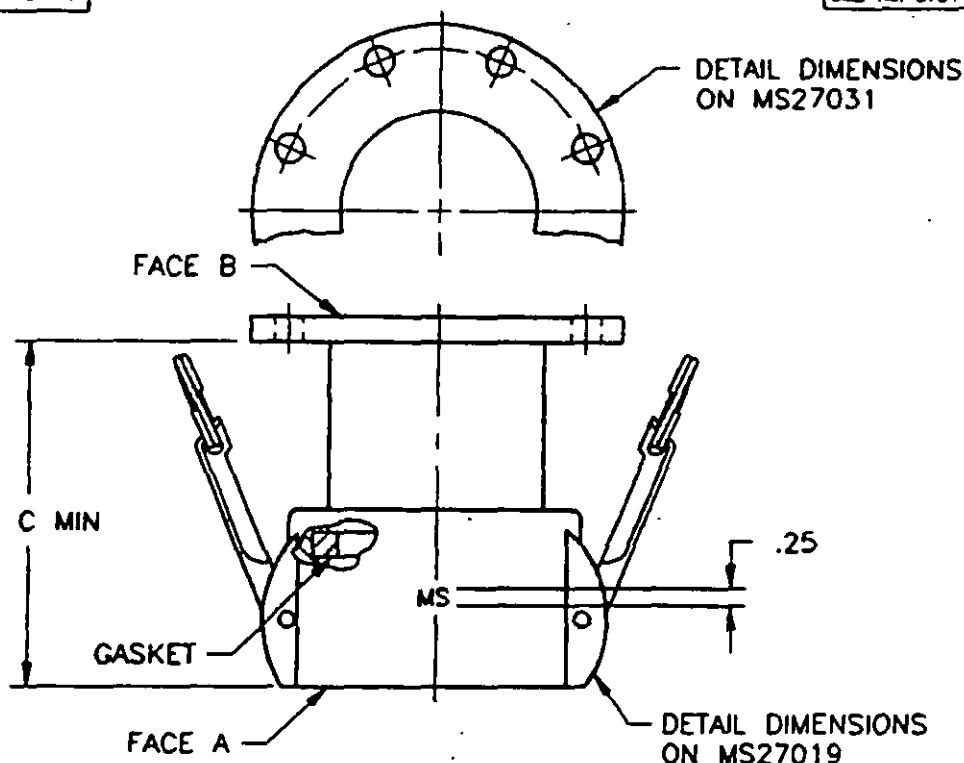


THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DOORS SPECIFIED IN THE SOLICITATION: ML-C-27487

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

INCH-POUND

Form approved  
OMB No. 0704-0188



DASH NUMBER	CLASS NUMBER		NOMINAL SIZE		DIMENSION C (MIN.)	GASKET RECD
	CLASS 1	CLASS 2	A	B		
-11	X		2	2	5.25	MS27030-6
-12		X				
-13	X		2-1/2	2-1/2		MS27030-7
-14		X				
-15	X		3	3		MS27030-8
-16		X				
-17	X		4	4	6.125	MS27030-9
-18		X				
-19	X		6	6		MS27030-10
-20		X				
-21	X		2	4 (2 X 4)	5.25	MS27030-6
-22		X				
-23	X		1	2 (1 X 2)		MS27030-3
-24		X				
-25	X		2	3 (2 X 3)		MS27030-6
-26		X				
-27	X		3	4 (3 X 4)		MS27030-8
-28		X				

Ⓕ ENTIRE DOCUMENT REVISED

PREPARED ACTIVITY: ARMY-HE  
CUSTOMER: ARMY-HE NAVY-YD1  
AIR FORCE-99  
REVIEW: ARMY-AL/AL AF-62 DIA-CS  
NAVY-6C  
PROJECT NUMBER: 4730-0129

MILITARY SPECIFICATION SHEET  
TITLE: COUPLING HALF, QUICK DISCONNECT,  
CAM-LOCKING TYPE, FEMALE,  
FLANGED, TYPE 2B

SPECIFICATION SHEET NUMBER  
MS 27027F 05 AUG 1994  
SUPERSEDING MS27027E 31 AUG 1987  
AMSC-N/A FSC 4730

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PAGE 1 OF 2

DD FORM 672

MAY 1988

PREVIOUS EDITIONS OF THE FORM ARE OBSOLETE

INCH-POUND

Form approved  
OMB No. 0704-0188

## NOTES:

## 1. MATERIAL:

## A. BODY:

CLASS 1. ALUMINUM ALLOYS UNS A03560-T6, A07120-T5 OR A07130-T5 PER ASTM B26.

CLASS 2. COPPER ALLOYS UNS C83600, C83800, C84400, C90500 AND C92200, PER ASTM B584, OR ALLOY C37700 PER ASTM B283.

## B. CAM ARMS:

COPPER ALLOYS UNS C36500, C37700, C46400, C48200 OR C48500 PER ASTM B124 OR CRES UNS S30400 OR S31600 PER ASTM A314.

## C. CAM PINS:

CRES, UNS S30323 OR S30300 PER ASTM A582.

CRES, CLASS UNS S30430, UNS S31600, CONDITION A, PER ASTM A276.

## D. RINGS, WIRE:

CRES UNS S30400 OR S30200 PER ASTM A313.

## 2. FINISH:

CLASS 1. ALUMINUM-MIL-A-8625, ANODIC COATING, TYPE II, CLASS 1, 0.0004 INCH MINIMUM THICKNESS.

CLASS 2. BRONZE OR BRASS-PLAIN (NO FINISH REQUIRED).

## 3. BURRS, SHARP EDGES, AND ALL FOREIGN MATERIAL SHALL BE REMOVED.

## 4. HYDROSTATIC TEST PRESSURE: 1/2 THROUGH 4 INCH-300 P.S.I.G.; 6 INCH-150 P.S.I.G.

## 5. WORKING PRESSURE: 1/2 THROUGH 4 INCH-150 PSIG; 6 INCH-75 PSIG

## 6. PART NUMBER: THE MS PART NUMBER CONSISTS OF THE MS SHEET NUMBER PLUS THE DASH NUMBER, EXAMPLE: MS27027-11.

## 7. FITTING SHALL INCLUDE GASKET AND TWO PULL RINGS (STAINLESS STEEL).

## 8. CERTAIN PROVISIONS (DIMENSIONS) OF THIS DOCUMENT ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT (STANAG 2761). PRIOR TO REVISION, OR CANCELLATION OF THIS DOCUMENT, THE PREPARING ACTIVITY SHALL TAKE APPROPRIATE ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS.

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THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

PREPARING ACTIVITY: ARMY-ME CUSTODIAN: ARMY-ME NAVY-Y01 AIR FORCE-09 REVIEW: ARMY-A3/AVL AF-02 DIA-CS NAVY-MC PROJECT NUMBER: 4730-0129	<b>MILITARY SPECIFICATION SHEET</b> TITLE: COUPLING HALF, QUICK DISCONNECT, CAM-LOCKING TYPE, FEMALE, FLANGED, TYPE VIII	SPECIFICATION SHEET NUMBER <b>MS 27027F</b> 05 AUG 1994 SUPERSEDING MS27027E 31 AUG 1987 AMSC-N/A FSC 4730
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