

AS1895/20

FEDERAL SUPPLY CLASS  
5340

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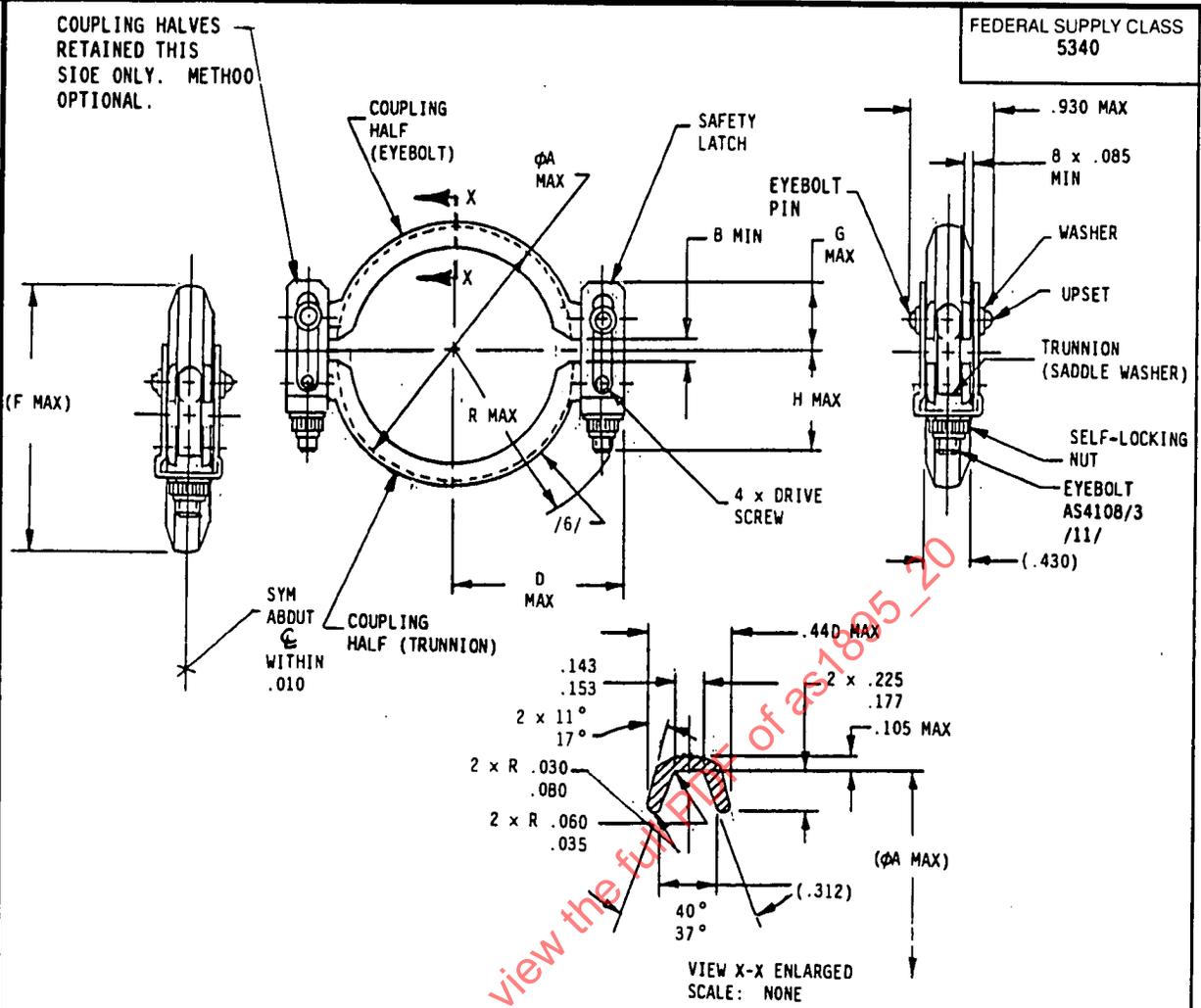


FIGURE 1 - LOW PROFILE COUPLING

TABLE 1 - DIMENSIONS, TORQUE, AND WEIGHTS

BASIC NUMBER AS1895/20 SIZE CODE	TUBE SIZE	A	B	O	F	G	H	R	/6/ LB-IN TORQUE	MAX WT LB
400	4.00	4.600	.100	2.903	4.916	1.150	1.600	3.240	100-115	.50
450	4.50	5.100	.150	3.153	5.416	1.175	1.650	3.490	105-120	.56
500	5.00	5.600	.200	3.403	5.916	1.200	1.675	3.700	105-120	.61
550	5.50	6.100	.250	3.653	6.416	1.225	1.700	3.940	110-125	.65
600	6.00	6.600	.300	3.903	6.916	1.400	1.725	4.170	110-125	.69
650	6.50	7.100	.300	4.160	7.416	1.400	1.725	4.490	110-125	.74
700	7.00	7.600	.300	4.410	7.916	1.400	1.725	4.700	110-125	.78

CUSTODIAN: G-3/G-3A      PROCUREMENT SPECIFICATION: /3/ AS1895

**SAE** The Engineering Society  
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**INTERNATIONAL**  
400 Commonwealth Drive, Warrendale, PA 15096-0001

**AEROSPACE STANDARD**  
COUPLING, V-RETAINER,  
DOUBLE LATCH, TYPE II  
LOW PROFILE

**AS1895/20**  
SHEET 1 OF 3

ISSUED 1992-06-01      REVISED

## NOTES:

/1/

TABLE 2 - COUPLING COMPONENT MATERIAL /1/

PART	MATL	TYPE	SPEC	REMARKS
COUPLING HALVES	NICKEL ALLOY	718	AMS 5662	SOLUTION AND PRECIPITATION HEAT TREATED. SEE /2/.
TRUNNION/ SAOOLE WASHER	CRES  NICKEL ALLOY	A286  713	AMS 5732 AMS 5737 AMS 5377	
EYEBOLT (AS4108/3)	CRES	A286	AMS 5731 AMS 5732 AMS 5737	SEE /2/ AND /7/.
SAFETY LATCH	NICKEL ALLOY	718	AMS 5596	SOLUTION AND PRECIPITATION HEAT TREATED.
SELF-LOCKING NUT	CRES	A286	AMS 5731 AMS 5732	SEE /2/ AND /7/.
EYEBOLT PIN	CRES	A286	AMS 5731 AMS 5732	SOLUTION AND PRECIPITATION HEAT TREATED.
WASHER	CRES	303 OR 304	AMS 5640 AMS 5313	
ORIVE SCREW	CRES CRES NICKEL ALLOY	305 A286 718		

## /2/ FINISH:

SELF-LOCKING NUT - THREADS BLANK = SILVER PLATED OR L = DRY FILM LUBED  
 COUPLING HALVES - PASSIVATE PER QQ-P-35 TYPES I, II, III, OR VIII AND/OR MECHANICAL POLISH OR  
 ELECTROPOLISH TO REMOVE IRON PARTICLES. INSIDE SURFACE OF ALL COUPLING HALVES SHALL BE COATED WITH  
 SOLID DRY FILM LUBRICANT PER AS1895 AFTER PASSIVATION.  
 718 MATERIAL - NO FINISH REQUIRED

EYEBOLT - LUBRICATE WITH FEL-PRO C100, FEL-PRO C-200 (FEL-PRO INC CAGE CODE 73165) OR EQUIVALENT

/3/ QUALIFICATION: PARTS SHALL BE QUALIFIED IN A COMPLETE COUPLING ASSEMBLY IN ACCORDANCE WITH  
 PROCUREMENT SPECIFICATION AS1895. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY  
 STANDARD PAGE SUPPLEMENT SHEET OR SIMILAR MEANS.

4. ACCEPTANCE TEST: EACH COUPLING SHALL BE SUBJECT TO A HYDROSTATIC PROOF PRESSURE TEST PER AS1895.

5. INTERMATEABILITY: THIS COUPLING, WHEN MATED WITH FLANGES, FLANGE ENDS, AND SEAL CONFORMING TO  
 AS1895/5-XXX, AS1895/6-XXX, AND AS1895/7-XXX, AS1895/8-XXX, AS1895/9-XXX, AS1895/14-XXX,  
 AS1895/15-XXX, AS1895/16-XXX, AND AS1895/17-XXX SHALL MEET ALL THE REQUIREMENTS OF SPECIFICATION  
 AS1895.

## /6/ MARKING:

ELECTROETCH AS1895/20 PART NUMBER  
 SUPPLIER PART NO.  
 SUPPLIER NAME OR TRADEMARK AND CAGE CODE  
 DATE OF MANUFACTURE  
 TORQUE - "CAUTION: TORQUE TO TABULATED POUND-INCH" PER AS478 CLASS 0

## 7. THREADS:

EYEBOLT AND NUT THREADS CONFORM TO MIL-S-8879 REV. A  
 EYEBOLT THREAD .3125-24UNJF-3A  
 SELF-LOCKING NUT THREAD .3125-24UNJF-3B