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REV.
D

AS1895/4

FEDERAL SUPPLY CLASS
5340

RATIONALE

AS1895/4D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

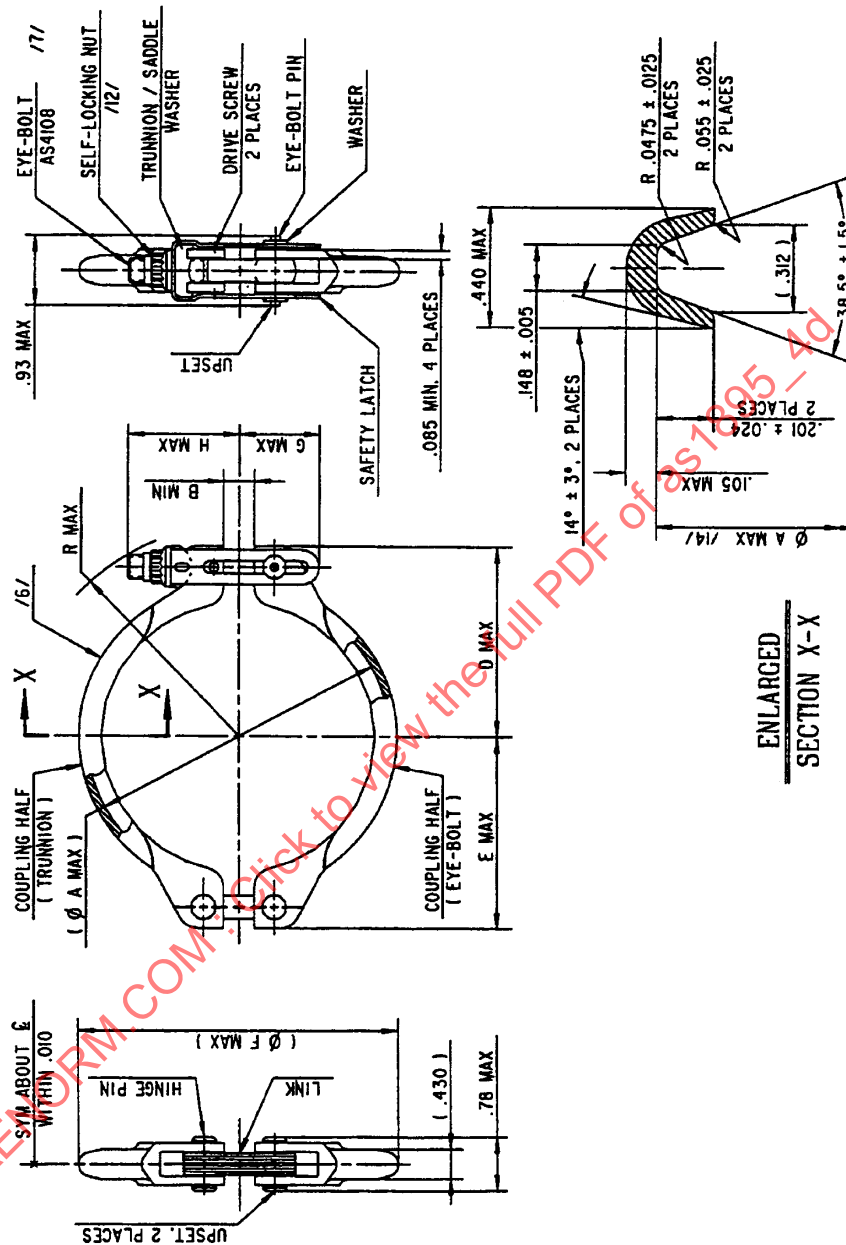
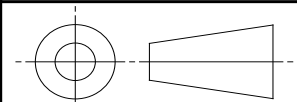


FIGURE 1 - LOW PROFILE COUPLING

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS1895/4D>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1895



AEROSPACE STANDARD

COUPLING, V-RETAINER, SINGLE LATCH,
TYPE II LOW PROFILE

AS1895/4
SHEET 1 OF 4

REV.
D

TABLE 1 - DIMENSIONS, TORQUE, AND WEIGHTS

BASIC NUMBER AS1895/4 SIZE CODE /1/ /2/ /16/	(TUBE SIZE)	A	B	D	E	F	G	H	R	TORQUE IN LB-IN /6/	LB/EA MAX
100	1.00	1.600	.100	1.403	1.387	1.916	.840	1.410	1.860	55-70	.34
125	1.25	1.850	.150	1.528	1.512	2.166	.850	1.410	2.020	55-70	.34
150	1.50	2.100	.150	1.653	1.637	2.416	.850	1.410	2.110	55-70	.35
175	1.75	2.350	.150	1.778	1.762	2.666	.875	1.425	2.220	55-70	.36
200	2.00	2.600	.175	1.903	1.887	2.916	.900	1.450	2.330	70-85	.38
225	2.25	2.850	.175	2.028	2.012	3.166	.925	1.475	2.440	75-90	.39
250	2.50	3.100	.190	2.153	2.137	3.416	.925	1.475	2.550	75-90	.40
275	2.75	3.350	.190	2.278	2.262	3.666	.950	1.525	2.700	75-90	.42
300	3.00	3.600	.190	2.403	2.387	3.916	.950	1.550	2.800	85-100	.43
325	3.25	3.850	.210	2.528	2.512	4.166	1.100	1.575	2.920	90-105	.44
350	3.50	4.100	.210	2.653	2.637	4.416	1.125	1.600	3.030	95-110	.45
400	4.00	4.600	.100	2.903	2.887	4.916	1.385	1.700	3.240	100-115	.48
450	4.50	5.100	.150	3.153	3.137	5.416	1.445	1.750	3.490	105-120	.54
500	5.00	5.600	.200	3.403	3.387	5.916	1.470	1.775	3.700	105-120	.59
550	5.50	6.100	.250	3.653	3.637	6.416	1.495	1.800	3.940	110-125	.62
600 /12/	6.00	6.600	.300	3.903	3.887	6.916	1.670	1.825	4.170	110-125	.66
650	6.50	7.100	.300	4.153	4.137	7.416	1.670	1.850	4.400	110-125	.73
700	7.00	7.600	.300	4.403	4.387	7.916	1.670	1.850	4.630	110-125	.77
750	7.50	8.100	.300	4.653	4.637	8.416	1.670	1.850	4.860	110-125	.80



AEROSPACE STANDARD

COUPLING, V-RETAINER, SINGLE LATCH,
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SHEET 2 OF 4REV.
D

NOTES:

/1/

TABLE 2 - COUPLING COMPONENT MATERIAL

PART	MATL	TYPE	SPEC	REMARKS
COUPLING HALVES	CRES	A-286	AMS 5525 AMS 5732	A286 MATERIAL IS USED FOR COUPLINGS 1.00 THRU 3.50. SOLUTION AND PRECIPITATION HEAT TREATED. SEE /2/. 718 MATERIAL IS USED FOR COUPLINGS 4.00 in AND OVER.
	NICKEL ALLOY	718	AMS 5596 AMS 5662	
TRUNNION/ SADDLE WASHER	CRES	A-286	AMS 5731 AMS 5732 AMS 5734 AMS 5737	SOLUTION AND PRECIPITATION HEAT TREATED OR EQUIVALENT MATERIAL PROPERTIES ACHIEVED BY COLD WORK.
	NICKEL ALLOY	713	AMS 5377	
EYEBOLT	CRES	A-286	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	A-286	AMS 5731 AMS 5732	SEE /2/ AND /7/.
EYEBOLT PIN	CRES	A-286	AMS 5731 AMS 5732	SOLUTION AND PRECIPITATION HEAT TREATED.
WASHER	CRES	303 OR 304	AMS 5640 AMS 5513	
LINK	CRES	A-286	AMS 5731 AMS 5732 AMS 5525	SOLUTION HEAT TREATED OR SOLUTION AND PRECIPITATION HEAT TREATED.
HINGE PIN	CRES	A-286	AMS 5731 AMS 5732 AMS 5734 AMS 5737	SOLUTION AND PRECIPITATION HEAT TREATED.
DRIVE SCREW	CRES	302HQ		
	CRES	305		
	CRES	A-286		
	NICKEL ALLOY	718		

/2/ FINISH:

- a. SELF-LOCKING NUT: DASH = SILVER PLATED OR L = DRY FILM LUBED
- b. COUPLING HALVES: INSIDE SURFACE OF ALL COUPLING HALVES SHALL BE COATED WITH SOLID DRY FILM LUBRICANT PER AS1895 AFTER PASSIVATION. A-286 CRES MATERIAL - PASSIVATE PER QQ-P-35 TYPES I, II, III, OR VIII AND/OR MECHANICAL POLISH OR ELECTROPOLISH TO REMOVE IRON PARTICLES.
- c. 718 MATERIAL: NO FINISH REQUIRED. NOTE: THE OUTSIDES OF 718 COUPLING FLANKS SHALL HAVE LAY LINE MARKINGS WITH "—1000F—" (SEE AS1895).
- d. EYEBOLT: LUBRICATE WITH FEL-PRO C102, 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, AS1895/17-XXX, AND AS1895/23 SHALL MEET THE REQUIREMENTS OF SPECIFICATION AS1895.



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COUPLING, V-RETAINER, SINGLE LATCH,
TYPE II LOW PROFILEAS1895/4
SHEET 3 OF 4REV.
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