RATIONALE

FEDERAL SUPPLY CLASS
5340

QPL DATE REQUIREMENT EXTENDED UNTIL JULY 2022. QUALIFICATION CONTINGENCY NOTE ADDED TO SECOND PARAGRAPH OF NOTE 3.

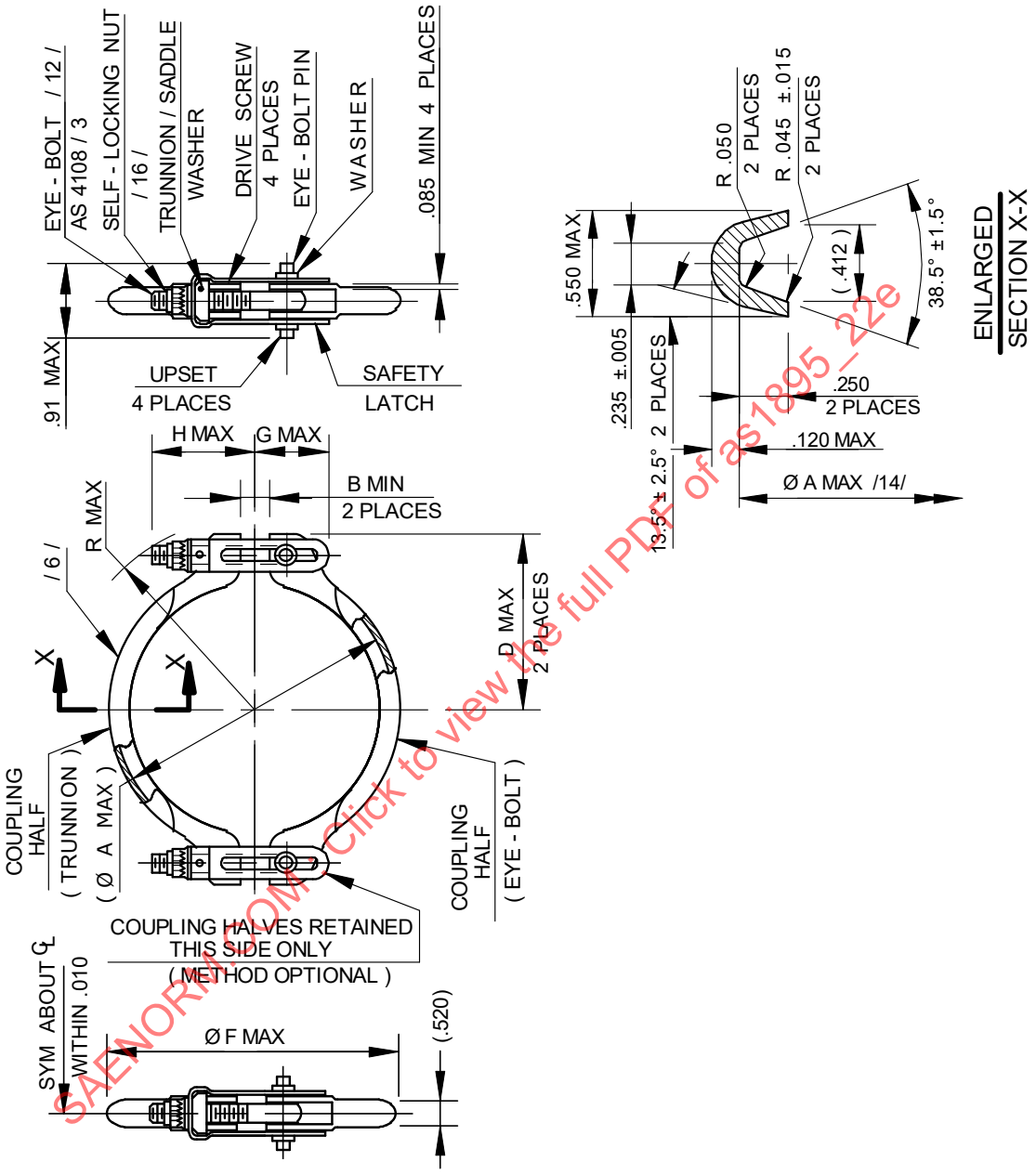
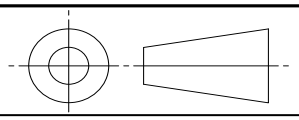


FIGURE 1 - STANDARD PROFILE COUPLINGS

For more information on this standard, visit
https://www.sae.org/standards/content/AS1895/22E/

THIRD ANGLE PROJECTION



ISSUED 1992-06 REAFFIRMED 2013-01 REVISED 2021-06

CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS1895 /3/

AEROSPACE STANDARD

COUPLING, V-RETAINER, DOUBLE LATCH,
TYPE I STANDARD PROFILE

AS1895™/22
SHEET 1 OF 4

REV. E

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NUMBER AS1895/22 SIZE CODE /1/ /2/ /17/	(TUBE SIZE)	A	B	D	F	G	H	R	A286 /1/ LB/EA MAX	718 /1/ LB/EA MAX
400	4.00	4.885	.100	3.043	5.218	1.150	1.600	3.414	.63	.65
450	4.50	5.385	.150	3.297	5.718	1.175	1.650	3.634	.68	.70
500	5.00	5.885	.200	3.546	6.218	1.200	1.675	3.855	.75	.75
550	5.50	6.385	.250	3.796	6.718	1.225	1.700	4.079	.80	.81
600	6.00	6.885	.300	4.041	7.218	1.400	1.725	4.301	.84	.86
650	6.50	7.385	.300	4.294	7.718	1.400	1.725	4.534	.91	.94
700	7.00	7.885	.300	4.547	8.218	1.400	1.725	4.768	.98	1.01
750	7.50	8.385	.300	4.773	8.718	1.400	1.725	4.975	1.05	1.09

NOTES:

/1/

TABLE 2 - COUPLING COMPONENT MATERIAL

PART	MATL	TYPE	SPEC	REMARKS
COUPLING HALVES	CRES	A286	AMS5525 AMS5732	SOLUTION PRECIPITATION HEAT TREATED. /2/
	NICKEL ALLOY	718	AMS5596 AMS5662	
TRUNNION / SADDLE WASHER	CRES	A286	AMS5731 AMS5732 AMS5734 AMS5737	SOLUTION AND PRECIPITATION HEAT TREATED OR EQUIVALENT MATERIAL PROPERTIES ACHIEVED BY COLD WORK.
	NICKEL ALLOY	713	AMS5377	INVESTMENT CASTING.
EYEBOLT	CRES	A286	AMS5731 AMS5732 AMS5737	/2/ AND /7/
SAFETY LATCH	NICKEL ALLOY	718	AMS5596	SOLUTIONS AND PRECIPITATION HEAT TREATED.
SELF-LOCKING NUT	CRES	A286	AMS5731 AMS5732	/2/ AND /7/
EYEBOLT PIN	CRES	A286	AMS5731 AMS5732	SOLUTION AND PRECIPITATION HEAT TREATED.
WASHER	CRES	303 OR 304	AMS5640 AMS5513	
DRIVE SCREW	CRES CRES CRES	302HQ 305 A286		
	NICKEL ALLOY	718		

/2/ FINISH:

a. SELF-LOCKING NUT: BLANK = SILVER PLATED OR L = DRY FILM LUBED.

b. COUPLING HALVES:

- CRES A286 COUPLING HALVES: PASSIVATE PER AMS2700 TYPES 1, 2, 3, OR 8, MECHANICAL POLISH OR ELECTRO-POLISH TO REMOVE IRON PARTICLES. INSIDE SURFACE OF COUPLING HALVES SHALL BE COATED WITH SOLID DRY FILM LUBRICANT PER AS1895.

- NICKEL ALLOY 718 COUPLING HALVES: NO FINISH REQUIRED. INSIDE SURFACE OF COUPLING HALVES SHALL BE COATED WITH SOLID DRY FILM LUBRICANT PER AS1895. NOTE: THE OUTSIDES OF 718 COUPLING FLANKS SHALL HAVE LAY LINE MARKINGS WITH "-1000F-" (REFER TO AS1895).

c. EYEBOLT: LUBRICATE WITH ANTI-SEIZING COMPOUND. MAY USE "HEAVY DUTY ANTI-SEIZE" COMPOUND #LB 8009 FROM LOCTITE® (CAGE CODE 05972) OR EQUIVALENT.

/3/ QUALIFICATION:

PARTS SHALL BE QUALIFIED IN A COMPLETE COUPLING ASSEMBLY IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AS1895. PROCUREMENT SPECIFICATION: AS1895 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE PRI QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS1895 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.

THIS QPL REQUIREMENT SHALL BE IN EFFECT FOR PURCHASE ORDERS PLACED ON OR AFTER JULY 31, 2022. SUPPLIERS SEEKING LISTING ON THE INITIAL QPL MUST APPLY TO PRI FOR APPROVAL NO LATER THAN DECEMBER 31, 2021. UNTIL THE QPL IS IN EFFECT, USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVALS. LEGACY OR INVENTORIED HARDWARE MANUFACTURED PRIOR TO QPL REQUIRED DATE: JULY 31, 2022, MAY BE USED UNTIL DEPLETION VIA ACCEPTANCE BY OEM OR USER SUPPLEMENT ACCEPTANCE SHEETS. TRANSITION TO PRI-QPL SHALL BE COMPLETED BY JULY 31, 2022.

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 AS1895/2-XXX, AS1895/3-XXX, AS1895/7-XXX, AS1895/10-XXX, AS1895/11-XXX, AS1895-12-XXX, AS1895/13-XXX, AS1895/18-XXX, AS1895/19-XXX, AND AS1895/23-XXX SHALL MEET ALL THE REQUIREMENTS OF SPECIFICATION AS1895.

/6/ MARKING:

ELECTROCHEMICAL ETCHING PER AS478-7A2 OR LASER MARKING PER AS478-15A2. THE COUPLING SHALL BE MARKED AS FOLLOWS:

a. AS1895/22 (FULL PART NUMBER)

b. SUPPLIER PART NO.

c. SUPPLIER NAME, TRADEMARK OR CAGE NO.

d. DATE OF MANUFACTURE

e. TORQUE - "CAUTION: TORQUE TO 120 LB-IN ± 5 LB-IN" /12/

/7/ THREADS:

a. EYEBOLT AND NUT THREADS CONFORM TO AS8879

b. EYEBOLT THREAD .3125-24UNJF-3A

c. SELF-LOCKING NUT THREAD .3125-24UNJF-3B

8. OPERATING TEMPERATURE: -65 TO +1200 °F FLUID TEMPERATURE.

9. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.

10. DIMENSIONING AND TOLERANCING: ANSI Y14.5M 1982.