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REV. A

AS5355™/1

FEDERAL SUPPLY CLASS  
5340

RATIONALE

TO CORRECT TABLE 1 AND TABLE 2 DIMENSIONS THAT ARE IN CONFLICT WITH MANUFACTURER PART DRAWINGS THAT ARE USED IN FABRICATION AND THAT HAVE BEEN QUALIFICATION TESTED; TO RESOLVE A PASSIVATION ISSUE, ADD PRI/QPL REQUIREMENT; AND TO ELIMINATE VERSIONS THAT ARE NOT PRODUCED ANY MORE.

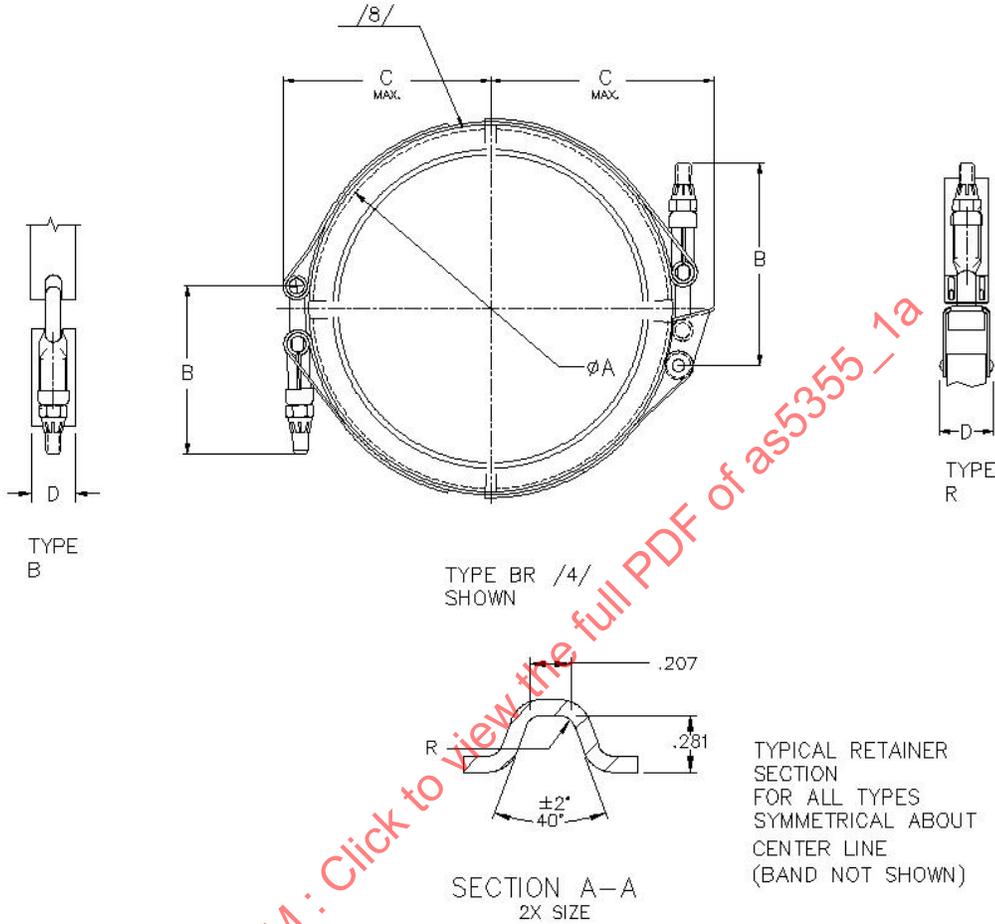


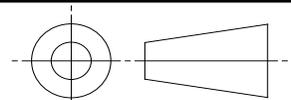
FIGURE 1 - V-BAND COUPLING CLAMP

TABLE 1 - DIMENSIONS

SIZE CODE RANGE	B MAX	B MAX	D MAX	D MAX	BOLT DIA	R
/4/	B	R	B	R		±.020
01 - 09	2.50	2.50	.80	1.10	.250	.055
10 - 19	2.72	2.72	.95	1.25	.312	.063
20 -37	3.20	3.20	1.20	1.25	.312	.063

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5355/1A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: AS5355 /1/, /2/, /3/



AEROSPACE STANDARD

(R) COUPLINGS, CLAMP, GROOVED, V-BAND, 1.75 TO 14.25 FLANGE OD (-65 TO 800 °F)

AS5355™/1  
SHEET 1 OF 3

REV. A

**TABLE 2 - DIMENSIONS AND WEIGHTS**

BASIC NUMBER AS5355/1 SIZE CODE	FLANGE OD AS24563 TYPE 2	AXIAL LOAD RATING (LBF)	A + .03 - .06	C MAX B	C MAX R	RATING TORQUE (LBF-IN)	LB/EA, MAX B	LB/EA, MAX R
01	1.75	8,790	1.88	1.75	1.85	50	.35	.39
02	1.88	8,820	2.00	1.80	1.90	50	.36	.40
03	2.00	8,855	2.12	1.85	1.95	50	.37	.41
04	2.12	8,890	2.25	1.90	2.00	50	.39	.43
05	2.25	8,925	2.38	2.00	2.10	50	.40	.44
06	2.38	8,960	2.50	2.05	2.15	50	.41	.45
07	2.50	8,995	2.62	2.10	2.20	50	.42	.46
08	2.62	9,025	2.75	2.20	2.30	50	.44	.48
09	2.75	9,060	2.88	2.25	2.35	50	.45	.49
10	2.88	13,850	3.00	2.45	2.50	100	.77	.85
11	3.00	13,925	3.12	2.50	2.60	100	.79	.87
12	3.12	14,000	3.25	2.60	2.65	100	.80	.88
13	3.25	14,100	3.38	2.65	2.70	100	.82	.90
14	3.50	14,325	3.62	2.75	2.85	105	.85	.93
15	3.75	14,500	3.88	2.90	2.95	105	.88	.96
16	4.00	14,725	4.12	3.00	3.10	105	.92	1.00
17	4.25	14,900	4.38	3.15	3.20	105	.95	1.03
18	4.75	15,300	4.88	3.40	3.45	110	1.02	1.10
19	5.25	15,700	5.38	3.65	3.70	115	1.09	1.17
20	5.75	16,100	5.88	3.90	3.95	115	1.16	1.24
21	6.25	16,500	6.38	4.15	4.20	120	1.60	1.68
22	6.75	16,950	6.88	4.40	4.45	120	1.67	1.75
23	7.25	17,400	7.38	4.65	4.70	125	1.74	1.82
24	7.75	17,800	7.88	4.90	4.95	130	1.81	1.89
25	8.25	18,250	8.38	5.15	5.20	130	1.88	1.96
26	8.75	18,700	8.88	5.40	5.45	135	1.95	2.03
27	9.25	19,100	9.38	5.65	5.70	140	2.02	2.10
28	9.75	19,550	9.88	5.90	5.95	140	2.10	2.18
29	10.25	20,000	10.38	6.15	6.20	145	2.17	2.25
30	10.75	20,500	10.88	6.40	6.45	150	2.24	2.32
31	11.25	21,000	11.38	6.65	6.70	150	2.37	2.39
32	11.75	21,450	11.88	6.90	6.95	155	2.39	2.47
33	12.25	21,900	12.38	7.15	7.20	160	2.46	2.54
34	12.75	22,400	12.88	7.40	7.45	160	2.53	2.61
35	13.25	22,850	13.38	7.65	7.70	165	2.60	2.68
36	13.75	23,300	13.88	7.90	7.95	170	2.67	2.75
37	14.25	23,800	14.38	8.15	8.20	170	2.74	2.82

NOTES:

- /1/ MATERIAL: 300 SERIES STAINLESS STEEL PER PROCUREMENT SPECIFICATION AS5355.
- /2/ FINISH: PASSIVATE STAINLESS STEEL PER ASTM A967 OR AMS2700.
- /3/ QUALIFICATION: PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS5355 FOR THIS STANDARD. SEE [www.eAuditNet.com](http://www.eAuditNet.com) FOR CURRENT QPL ON-LINE.
- /4/ DOUBLE LATCH COUPLINGS (TYPE BR) ARE AVAILABLE FOR ONLY SIZES 21 AND UP.
- 5. LATCH ELEMENTS ARE OPTIONAL WITHIN ENVELOPES SHOWN.

	<b>AEROSPACE STANDARD</b>	<b>AS5355™/1</b> SHEET 2 OF 3	<b>REV.</b> <b>A</b>
	(R) COUPLINGS, CLAMP, GROOVED, V-BAND, 1.75 TO 14.25 FLANGE OD (-65 TO 800 °F)		