

FED. SUPPLY CLASS

4730

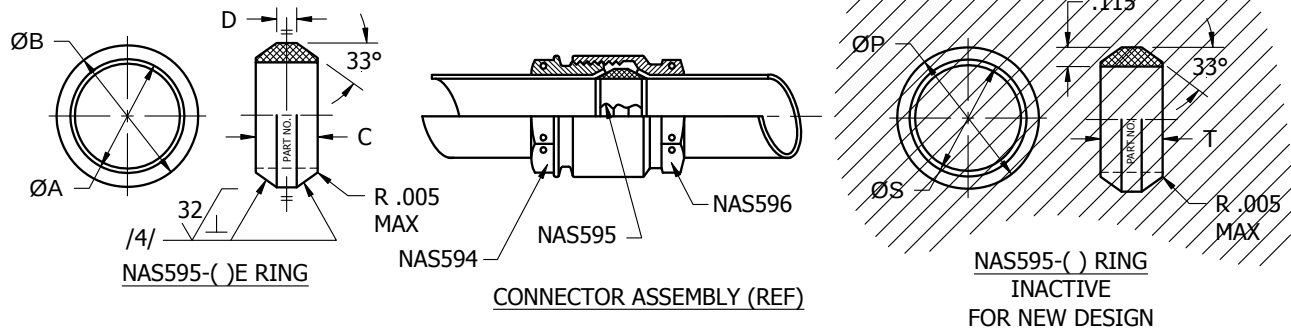


TABLE I – DIMENSIONS

DASH NO.	TUBE O.D.	ØA ± .010	ØB	C WIDTH ± .010	D + .010 - .000	WEIGHT LBS MAX
4E	1/4	.198	.384	+ .000 - .002	.337	.115
5E	5/16	.258	.444		.347	.125
6E	3/8	.305	.505		.275	.058
8E	1/2	.430	.684		.275	.048
10E	5/8	.547	.793	+ .000 - .005	.502	.184
12E	3/4	.722	.968		.522	.204
16E	1	.930	1.195		.484	.130
20E	1 1/4	1.203	1.469		.484	.130
24E	1 1/2	1.460	1.738		.484	.130
28E	1 3/4	1.717	2.028		.603	.249
32E	2	1.967	2.278		.603	.249
40E	2 1/2	2.459	2.778		.603	.249
48E	3	2.952	3.278		.603	.249
64E	4	3.937	4.278		.603	.249

MATERIAL:

CRES, SEE PROCUREMENT SPECIFICATION NAS597.

FINISH:

SEE PROCUREMENT SPECIFICATION NAS597.

EXAMPLES OF PART NUMBER:

NAS595-16E = CRES RING FOR 1 INCH TUBE

NAS595-16 = CRES RING FOR 1 INCH TUBE (INACTIVE FOR NEW DESIGN)

⑥ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 6
PROCUREMENT SPECIFICATION NAS597	TITLE RING, RIGID TUBE CONNECTOR, CRES	CLASSIFICATION PART STANDARD
	⑥	NAS595 SHEET 1 OF 2

NOTES:

- (1) REMOVE ALL BURRS AND SHARP EDGES.
- (2) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /3/ TOLERANCES UNLESS OTHERWISE SPECIFIED: ANGLES $\pm 0^{\circ}30'$.
- /4/ SURFACE MAKING CONTACT WITH TUBING FLARE SHALL BE FREE FROM BURRS, LONGITUDINAL FLATS, LONGITUDINAL AND SPIRAL TOOL MARKS, EXCEPT THAT ANNULAR TOOL MARKS WILL BE ALLOWED IF 90% OF CONTACT AREA IS INDICATED BY BLUEING METHOD OF INSPECTION
- (5) SURFACE ROUGHNESS: MACHINED SURFACE EXCEPT FLARE CONTACT AREA OF RING, 125 MICROINCHES Ra PER ASME B46.1. SURFACE ROUGHNESS SYMBOLS SHALL BE IN ACCORDANCE WITH ASME Y14.36.
- /6/ NAS595-() INACTIVE FOR NEW DESIGN.
- (7) ENGINEERING INFORMATION:
 - (A) TO BE USED WITH TUBING FLARE THICKNESSES OF .010 TO .065 INCHES EXCEPT "-64" WHICH IS .010 TO .080 INCHES.
 - (B) DO NOT USE AT TEMPERATURE IN EXCESS OF 700 °F.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (10) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (11) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

TABLE II – DIMENSIONS INACTIVE FOR NEW DESIGN

DASH NO. /6/	TUBE O.D.	ØP +.005 -.000	ØS ±.010	T WIDTH ±.010	WT. LBS MAX
4	1/4	.384	.180	.275	.006
5	5/16	.444	.242	.275	.007
6	3/8	.503	.305	.275	.008
8	1/2	.684	.430	.275	.010
10	5/8	.787	.546	.484	.029
12	3/4	.940	.656	.484	.038
16	1	1.190	.930	.484	.060
20	1 1/4	1.469	1.203	.484	.061
24	1 1/2	1.733	1.460	.484	.063
28	1 3/4	2.025	1.717	.603	.110
32	2	2.273	1.967	.603	.130
40	2 1/2	2.773	2.459	.603	.160
48	3	3.273	2.952	.603	.220
64	4	4.273	3.937	.603	.300

⑥ COMPLETELY REVISED

REVISION

6

NAS595
SHEET 2



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