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REV.
B

AS3129

FEDERAL SUPPLY CLASS
5315

RATIONALE

THIS IS A LIMITED SCOPE REVISION. REVISED CLEANING REQUIREMENTS FOR CONFORMANCE TO AMS2700 OR ASTM A967/A967M.

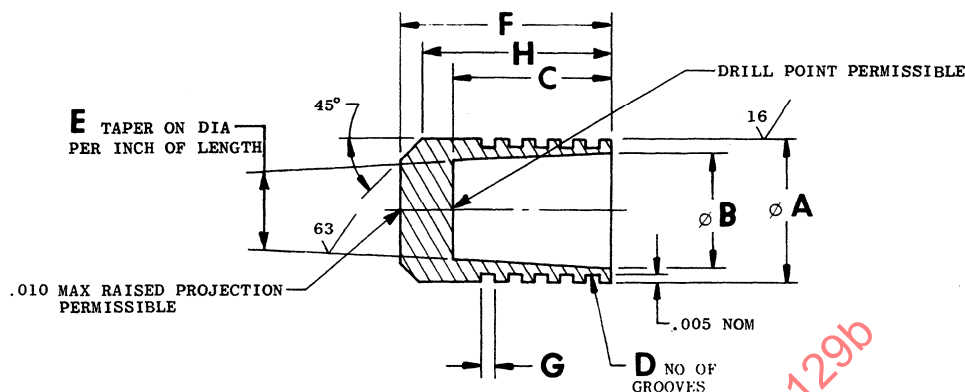


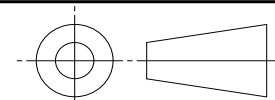
FIGURE 1

TABLE 1A - PART NUMBERS AND DIMENSIONS

STANDARD DIAMETERS			
AEROSPACE STANDARD PART NUMBER /8/	MANUFACTURER'S PART NUMBER /8/	ØA	APPROX MASS LB/100
AS3129-03	PLGA1567030A	.1553-.1562	.069
AS3129-04	PLGA1877030 A	.1866-.1875	.095
AS3129-05	PLGA2187030 A	.2178-.2187	.139
AS3129-06	PLGA2507030 A	.2491-.2500	.207
AS3129-07	PLGA2817030 A	.2803-.2812	.246
AS3129-08	PLGA3437030 A	.3428-.3437	.430
AS3129-09	PLGA4067030 A	.4053-.4062	.619
AS3129-10	PLGA4687030 A	.4678-.4687	.828
AS3129-11	PLGA5317030 A	.5303-.5312	1.061
AS3129-12	PLGA6567030 A	.6553-.6562	1.923

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<http://www.sae.org/technical/standards/AS3129B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

PLUG, EXPANSION - CRES, 303, LONG;
STD AND .010 OVERSIZE DIAMETERS,
UNS S30300

AS3129
SHEET 1 OF 3

REV.
B

TABLE 1B - PART NUMBERS AND DIMENSIONS

.010 OVERSIZE DIAMETERS			
AEROSPACE STANDARD PART NUMBER /8/	MANUFACTURER'S PART NUMBER /8/	ØA	APPROX MASS LB/100
AS3129-53	PLGA1667030A	.1653-.1662	.085
AS3129-54	PLGA1977030A	.1966-.1975	.116
AS3129-55	PLGA2287030A	.2278-.2287	.171
AS3129-56	PLGA2607030A	.2591-.2600	.250
AS3129-57	PLGA2917030A	.2903-.2912	.282
AS3129-58	PLGA3537030A	.3528-.3537	.496
AS3129-59	PLGA4167030A	.4153-.4162	.711
AS3129-60	PLGA4787030A	.4778-.4787	.949
AS3129-61	PLGA5417030A	.5403-.5412	1.185
AS3129-62	PLGA6667030A	.6653-.6662	2.171

TABLE 1C - PART NUMBERS AND DIMENSIONS

AEROSPACE STANDARD PART NUMBER	ØB NOM	C NOM	D	ØE NOM	F	G NOM	H
AS3129-03 & 53	.115	.187	8	.0417	.238-.252	.010	.198-.232
AS3129-04 & 54	.146	.205	8	.0417	.253-.267	.010	.227-.243
AS3129-05 & 55	.178	.250	8	.0417	.300-.314	.010	.260-.294
AS3129-06 & 56	.204	.300	8	.0417	.358-.372	.015	.324-.342
AS3129-07 & 57	.240	.312	8	.0417	.363-.377	.013	.323-.357
AS3129-08 & 58	.303	.375	8	.0208	.493-.507	.020	.393-.427
AS3129-09 & 59	.365	.437	9	.0208	.558-.572	.020	.448-.482
AS3129-10 & 60	.428	.500	10	.0208	.613-.627	.020	.513-.547
AS3129-11 & 61	.490	.562	12	.0156	.673-.687	.020	.573-.607
AS3129-12 & 62	.595	.625	14	.0156	.743-.757	.020	.645-.675

NOTES:

1. MATERIAL: 303 CRES BAR PER AMS5640, TYPE 1 (UNS S30300).
 2. HEAT TREAT: PER AMS5640.
 3. CLEANING: FINISHED PARTS SHALL BE DEGREASED AND PASSIVATED PER ASTM A967/A967M OR AMS2700. A SOLUTION CONTAINING SODIUM DICHROMATE AND NOT LESS THAN 20% BY VOLUME OF NITRIC ACID MUST BE USED. A CITRIC ACID METHOD MAY BE USED AS AN ALTERNATIVE IF REQUESTED BY THE PROCURING ACTIVITY AND THE SUPPLIER AGREES.
 4. GROOVE BURRS PERMITTED ON OD OF PLUG TO .001 OVER MAX Ø A.
 5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 250 MICROINCHES Ra.
 6. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
 7. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: ANGULAR DIMENSIONS ±2 DEGREES. DIMENSIONS APPLY AFTER FINISH.
- /8/ MARK AS3129-() PART NUMBER AND MANUFACTURER'S PART NUMBER ON PACKAGE IN ACCORDANCE WITH AS478, METHOD 37. IN ADDITION PACKAGES FOR OVERSIZE PLUGS SHALL INCLUDE "OVERSIZE 303SS" IN A RECTANGULAR BLOCK.

	AEROSPACE STANDARD	AS3129 SHEET 2 OF 3	REV. B
	PLUG, EXPANSION - CRES, 303, LONG; STD AND .010 OVERSIZE DIAMETERS, UNS S30300		