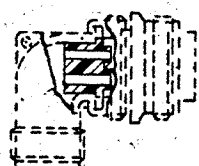
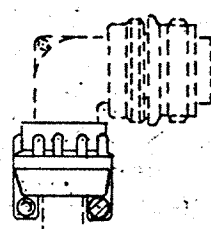


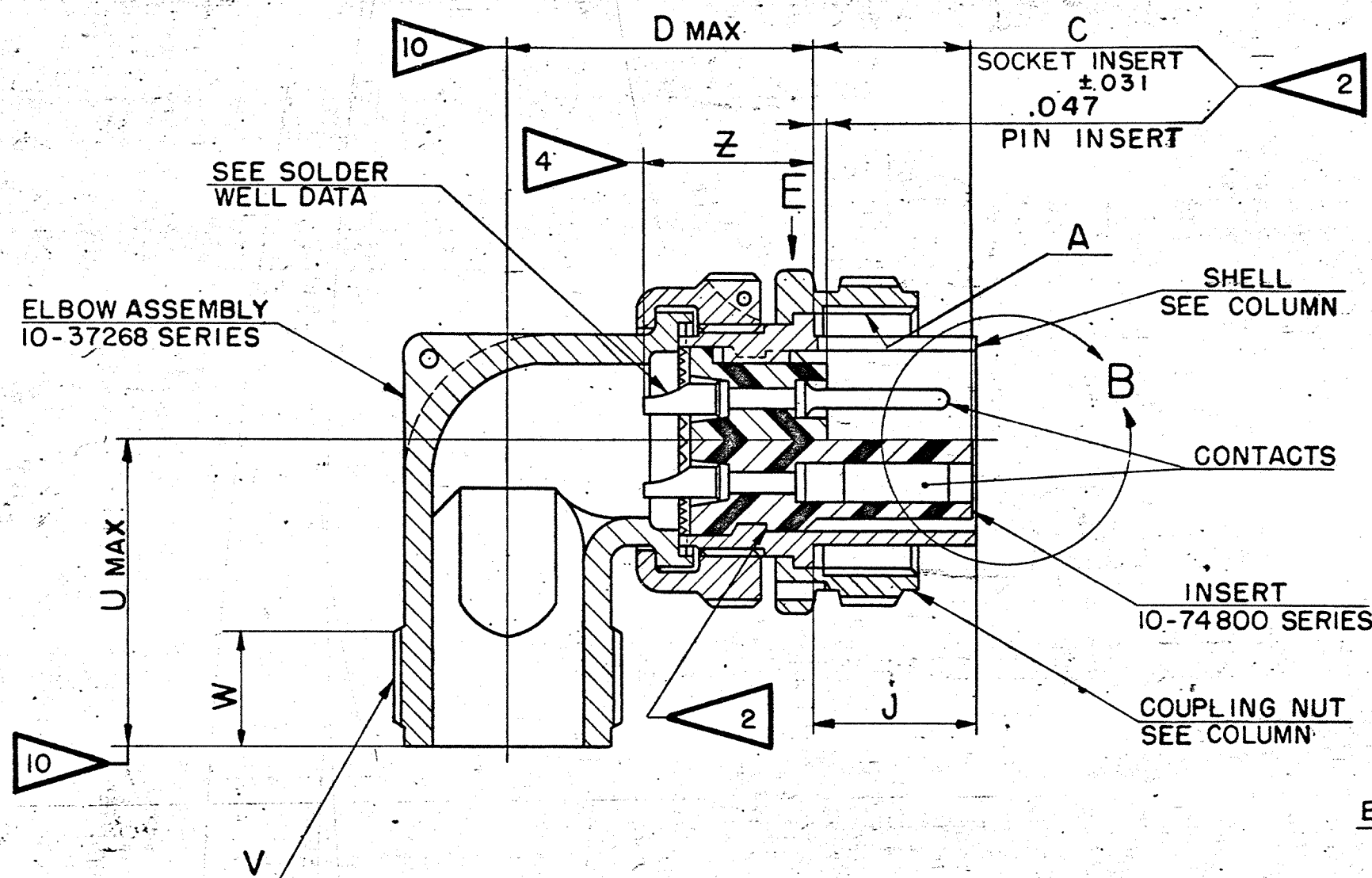
ACCESSORIES
(NOT PART OF STANDARD ASSEMBLY)



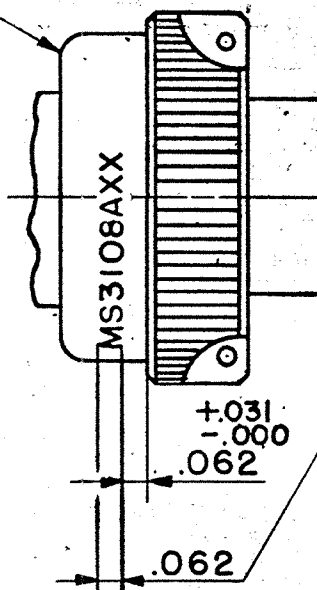
GROMMET
IO-40800 SERIES



CABLE CLAMP
IO-35900-XX3 SERIES

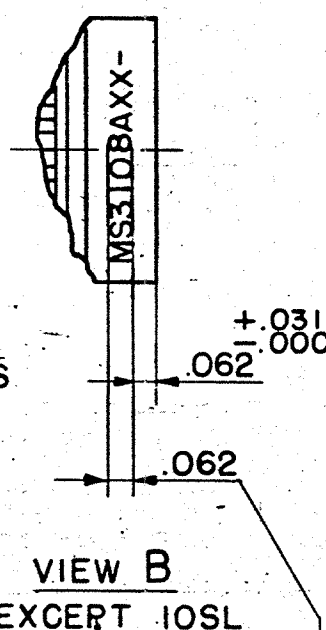


SHELL ASSY
SEE COLUMN

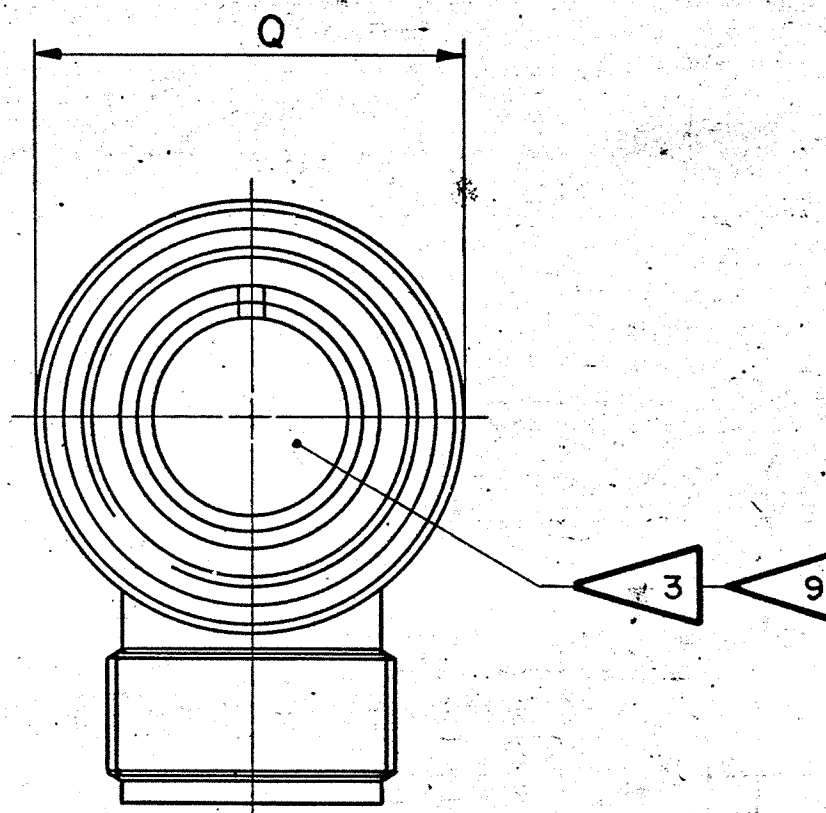


VIEW AT E
IOSL ONLY

STAMP PER 9-2811
EXAMPLE:
MS3108A10SL-3S BENDIX-7139
NUT MUST TURN FREELY
AFTER STAMPING



VIEW B
EXCERPT IOSL



10-168808 THRU
10-168840

STAMP PER 9-2811 MS NUMBER, "BENDIX"
& DATE CODE (9-3895)
OPPOSITE KEYWAY
EXAMPLE:
MS3108A2Q-12S BENDIX-7139
FOR SUFFIX OTHER THAN "P" OR "S",
STAMP PER 9-2437
(SUFFIX OF MS NUMBER ONLY)
EXAMPLE:
MS3108A20-12SX BENDIX-7139

USE OF THIS DOCUMENT IS UNLIMITED. DOCUMENTS
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SOLDER WELL DATA						
CONTACT SIZE	0	4	8	12		16 M
WELL DIA	469 $\pm$.005	332 $\pm$.005	209 $\pm$.004	116 $\pm$.004		.078 $\pm$.004
WELL DEPTH $\pm$.031	.625	.625	.500	.375		.250

MATERIAL SPEC.		PROCESS SPEC. SEE SHEET 2		SCINTILLA MAGNETO DIVISION BENDIX AVIATION CORPORATION SIDNEY, N. Y., U.S.A.				TOLERANCES UNLESS OTHERWISE SPECIFIED			
HEAT TREAT SPEC.		FINISH SPEC.		NAME: CONNECTOR, ELECTRICAL PLUG, TYPE C-1 MC 90°				FRACTIONS $\pm$		ANGLES $\pm$	
TOOL ACC.		COM. REC. 22569-5		D'MAN S. GREER				DECIMALS $\pm$.010		CONCENTRICITY FIR	
				CHECKER BALANTIN				SURFACE ROUGHNESS MICRO-INCHES RMS VALUE MAX		WEIGHT-LBS. SEE PARTS LIST	
				MAT. 4-24-57				NEXT ASSEMBLY		SUPERSEDES	
				STDS. 5-9-57				SUPERSEDED BY		AND IS NOT INTERCHANGEABLE	
				CH. D'MAN S. A. 57				APPROVED HARRISON		SCALE NONE	
				REF. 10-68808/40				10-168808 THRU 10-168840		SHEET 1 OF 2 CODE 77820	

SEE SHEET 2.
NOTES: REF SYMBOL

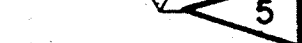
DWG SIZE C

TAB

SHEET 1 OF 2 CODE 77820

REL.	WAS	DATE	D'MAN	APPD.
32508-157				
1 33750-58	SEE SHEET I.	1-22-58	HUDOCK	<i>Woot</i>
2 35826-5	SEE SHEET I	8-30-59	BARTKOW	<i>John</i>
A1 36200-27	SEE SHEET I	2-11-60	MARKOWSKI	<i>John</i>
A2 36325-326	SEE SHEET I.	3-17-60	JOCHAN	<i>John</i>
A3 36525-49	SEE SHEET I	7-7-60	PAWLICK	<i>John</i>
A4 42523-45	SEE SHEET I	10-2-63	WUAR	<i>Wu</i>
A5	SEE SHEET I FOR ALL CHANGES			

ASSEMBLY NO.	MS NO.	DIMENSIONS											DETAILS	
		A THREAD CLASS 2B	C +0.047 -0.000	D MAX	J ±.005	Q DIA MAX	U MAX	V THREAD (PLATED) CLASS 2A	W	Z ±.045	SHELL	COUPLING NUT		
10-168808-	3108 8S-	.5000-28 UNEF	.531	.896	.531	.741	.750	.5000-28 UNEF		.375	.562	10-37266-8	10-37265-8	
10-168810-	10S-	.6250-24 NEF	.531	.927	.531	.869	.750	.5000-28 UNEF				↓ -10	↓ -10	
10-168811-	10SL-	.6250-24 NEF	.531	.951	.531	.946	.875	.6250-24 NEF				10-113488-11 (SHELL ASSY)		
10-168812-	12S-	.7500-20 UNEF	.531	.956	.531	.995	↓	↓			↓	10-37266-12	10-37265-12	
10-168813-	12-	.7500-20 UNEF	.719	1.143	.719	.995	↓	↓			.812	↓ -13	↓ -13	
10-168814-	14S-	.8750-20 UNEF	.531	1.120	.531	1.123	1.000	.7500-20 UNEF			.562	↓ -14	↓ -14	
10-168815-	14-	.8750-20 UNEF	.719	1.207	.719	1.123	1.000	.7500-20 UNEF			.812	↓ -15	↓ -15	
10-168816-	16S-	1.0000-20 UNEF	.531	1.146	.531	1.250	1.062	.8750-20 UNEF			.562	↓ -16	↓ -16	
10-168817-	16-	1.0000-20 UNEF	.719	1.332	.719	1.250	1.062	.8750-20 UNEF			.812	↓ -17	↓ -17	
10-168818-	18-	1.1250-18 NEF		1.395		1.333	1.188	1.0000-20 UNEF				↓ -18	↓ -18	
10-168820-	20-	1.2500-18 NEF		1.645		1.461	1.250	1.1875-18 NEF				↓ -20	↓ -20	
10-168822-	22-	1.3750-18 NEF		1.645		1.588	1.312	1.1875-18 NEF				↓ -22	↓ -22	
10-168824-	24-	1.5000-18 NEF		1.896		1.715	1.438	1.4375-18 NEF				↓ -24	↓ -24	
10-168828-	28-	1.7500-18 NS		1.896		1.968	1.500	1.4375-18 NEF		↓		↓ -28	↓ -28	
10-168832-	32-	2.0000-18 NS		2.118		2.209	1.750	1.7500-18 NS		.438		↓ -32	↓ -32	
10-168836-	36-	2.2500-16 UN		2.176		2.463	1.875	2.0000-18 NS		.500		↓ 36	↓ 36	
10-168840-	40-	2.5000-16 UN	↓	2.301	↓	2.718	2.031	2.2500-16 UN		.500	↓	↓ 40	↓ 40	

- 
 4. INCREASE Z DIMENSION BY .312 FOR SIZE "O" CONTACT ONLY.
 3. FOR CONTACT SIZE, SPACING, & SERVICE RATING, SEE DRAWINGS MS33680 THRU MS33690.
 2. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.
 1. THE UNITS ILLUSTRATED MEET THE REQUIREMENTS OF MS310.8A PER SPEC MIL-C-5015D.
 13. FOR DIMENSIONS AND STAMPING ON ALL ARRANGEMENTS WITH SUFFIX -50 OR ABOVE, SEE INDIVIDUAL DRAWING OF SAME SHELL SIZE & SUFFIX IN 10-41800 SERIES.
 12. FOR PART NUMBERS 10-168817-13, 10-168818-15, & 61, SEE INDIVIDUAL DRAWINGS 10-168817-13, 10-168818-15, & 61-00000.
 - 11.
 10. DIMENSIONS INDICATE FINAL INSTALLATION. FOR STORAGE & SHIPPING, ELBOW ASSEMBLY MUST BE LOOSELY COUPLED.
 9. INSERTS AND CONTACTS ARE REMOVABLE.
 8. ALL LOCKWIRE HOLES ARE .045 DIA MIN.
 7. SEE DRAWINGS 10-168008 THRU 10-168040 & 10-168208 THRU 10-168240 FOR REQUIRED MATING RECEPTACLE ASSEMBLIES.
 6. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
 5. TO COMPLETE ASSEMBLY NUMBER & MS NUMBER, ADD APPLICABLE INSERT ARRANGEMENT SUFFIX TO BASE NUMBERS LISTED ABOVE (FOR ALTERNATE ARRANGEMENTS, REFER TO 9-2437.) TO DETERMINE DESIRED INSERT ARRANGEMENT, SEE PARTS LISTS 10-168808 THRU 10-168840.

MATERIAL SPEC.	PROCESS SPEC. TEST 9-3106-5	SCINTILLA MAGNETO DIVISION BENDIX AVIATION CORPORATION SIDNEY, N. Y., U.S.A.							TOLERANCES UNLESS OTHERWISE SPECIFIED			
HEAT TREAT SPEC.	9-2811, 9-2437 9-3895	NAME ~~~~~							FRACTIONS ± ~	ANGLES ± ~		
		CONNECTOR, ELECTRICAL PLUG, TYPE "C" MC 90°							DECIMALS ± .010	CONCENTRICITY FIR ~		
									SURFACE ROUGHNESS MICRO-INCHES RMS VALUE MAX ~			
									NEXT ASSEMBLY	WEIGHT - LBS. SEE PARTS LIST		
									SUPERSEDES	AND IS NOT INTERCHANGEABLE		
		D'MAN	CHECKER	MAT.	STD'S	CH. D'MAN	APPROVED	SCALE	SUPERSED BY	10-168808 THRU 10-168840		
TOOL ACC.	COM. REC. 22569-S	4-25-57	BALANTIA		W.H.G. / B.R. / R.C. / S.M. / S.P.	5-10-57	5-10-57	NONE	REF. 10-68808/40			

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