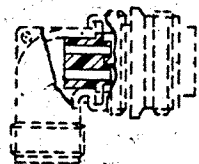
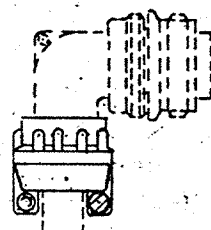


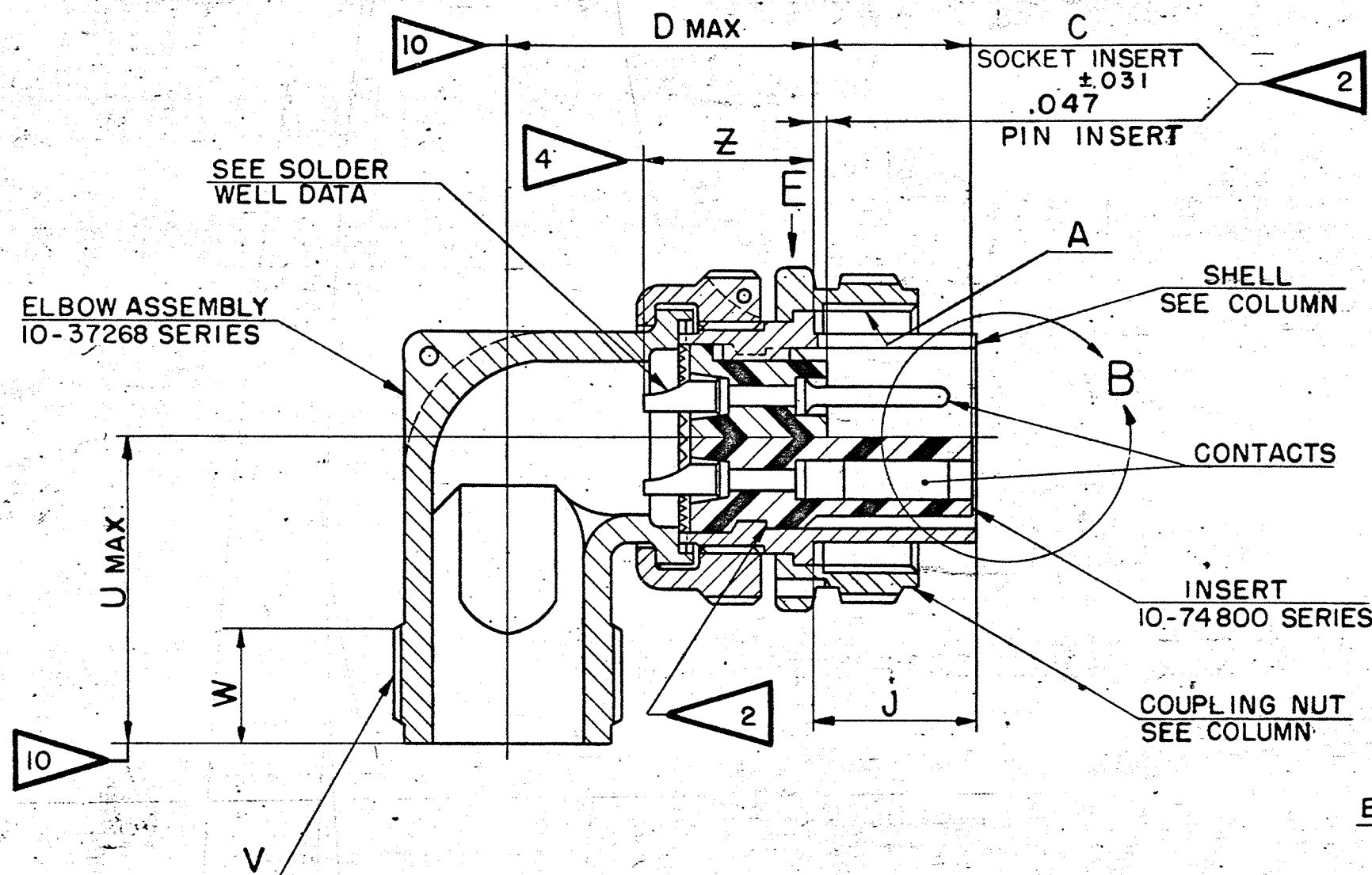
ACCESSORIES
(NOT PART OF STANDARD ASSEMBLY)



GROMMET
IO-40800 SERIES



CABLE CLAMP
IO-35900-XX3 SERIES



SHELL ASSY
SEE COLUMN

SOCKET INSERT
±.031
.047
PIN INSERT

SHELL
SEE COLUMN

CONTACTS

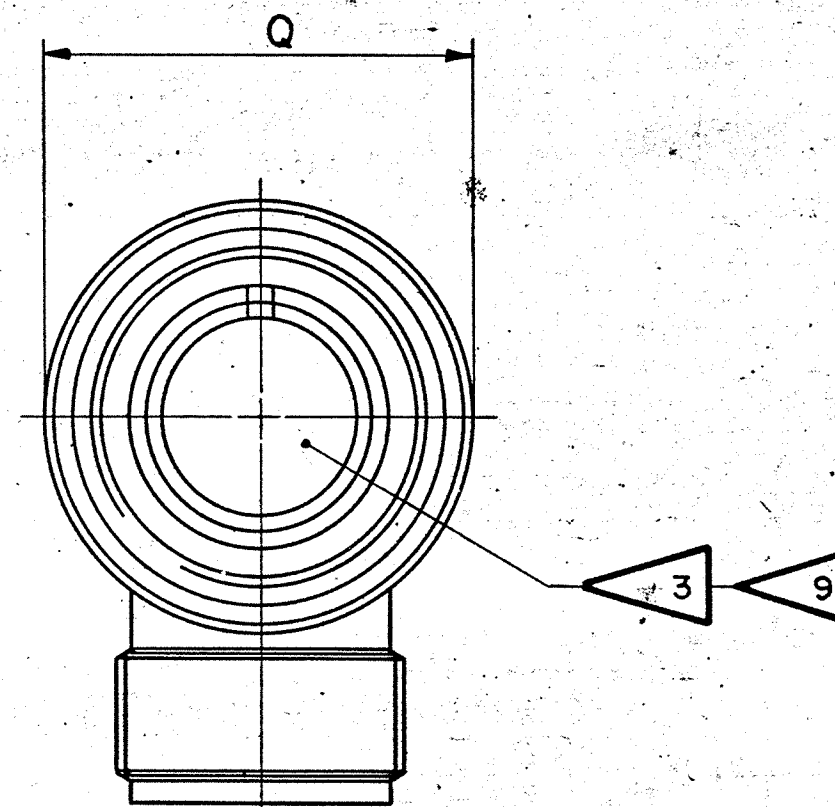
INSERT
IO-74800 SERIES

COUPLING NUT
SEE COLUMN

VIEW AT E
IOSL ONLY

VIEW B
EXCERPT IOSL

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



10-168808 THRU
10-168840

USE OF THIS DOCUMENT IS UNLIMITED. DOCUMENTS
REFERENCED HEREON CONTAIN LIMITED RIGHTS DATA.

SOLDER WELL DATA						
CONTACT SIZE	0	4	8	12		16 M
WELL DIA	469 ±.005 - .003	332 ±.005 - .003	209 ±.004 - .002	116 ±.004 - .002		.078 ±.004 - .002
WELL DEPTH ±.031 - .000	.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 ±		ANGLES ±	
TOOL ACC.		COM. REC. 22569-5		D'MAN S. GREER				DECIMALS ± .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				STDS. 5-9-57				SUPERSEDED BY		AND IS NOT INTERCHANGEABLE	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	

DWG SIZE C

TAB

SHEET 1 OF 2 CODE 77820

REL.	32508-157	WAS	DATE	D'MAN	APPD.
1	33760-58	ADD. NOTE II & DATA	1-22-58	HUDOCK	
2	35826-5	RELOC & REV C DIM 8 .000 +.016 - .047	8-30-59	BARTKOW	
A1	36200-27	.188(16M), .250(12) & .500(4) (SOLDER WELL DEPTH); REM SOLDER WELL DATA FOR 16	2-11-60	MAKUSKI	
A2	36525-326	REM PD COL (A & V THDS); REV: NOTE 3, Q DIA COL; ADD NOTE 12.	3-17-60	JOACHIM	
A3	36525-329	ADDED: NOTE 13; REV NOTE 12	7-7-60	PAW'LOK	
A4	42525-45	MIL-C-5015C(NOTE I)	10-26-63	MILLAR	
A5	51175-1	REM NOTE II, REVISION LETTER (C)(3 PLCS)	11-17-69	BRAND	
A6	53249-14	ADD. 9-3895 (PRO SPEC) REV STAMP NOTE	1-6-72	BRAND	

SEE SHEET 2.
NOTES: REF SYMBOL

REL.	32508-157	WAS	DATE	D'MAN	APPD.
1	33750-58	SEE SHEET 1.	1-22-58	HUDOCK	
2	35826-5	SEE SHEET 1	8-30-59	BARTKOW	
A1	36200-27	SEE SHEET 1	2-11-60	MAKOWSKI	
A2	36325-326	SEE SHEET 1.	3-17-60	GAHAN	
A3	36525-449	SEE SHEET 1	7-7-60	PAWLICK	
A4	42525-45	SEE SHEET 1	10-2-63	MILAR	
A5		SEE SHEET 1 FOR ALL CHANGES			
A6					

ASSEMBLY NO.	MS NO.		DIMENSIONS										DETAILS	
			A THREAD CLASS 2B	C +0.47 - .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-II (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

10-168808 THRU
10-168840

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- 11.
12. FOR PART NUMBERS 10-168817-13, 10-168818-15, & 61, SEE INDIVIDUAL DRAWINGS 10-168817-13, 10-168818-15, & 61-00000.
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.
14. INCREASE Z DIMENSION BY .312 FOR SIZE "O" CONTACT ONLY.
15. FOR CONTACT SIZE, SPACING, & SERVICE RATING, SEE DRAWINGS MS33680 THRU MS33690.
16. DIMENSIONS MUST BE MAINTAINED WHEN INSERTS ARE PRESSED FIRMLY AGAINST INDICATED SHOULDER.
17. THE UNITS ILLUSTRATED MEET THE REQUIREMENTS OF MS310.8A PER SPEC MIL-C-5015D.
18. DIMENSIONS INDICATE FINAL INSTALLATION. FOR STORAGE & SHIPPING, ELBOW ASSEMBLY MUST BE LOOSELY COUPLED.
19. INSERTS AND CONTACTS ARE REMOVABLE.
20. ALL LOCKWIRE HOLES ARE .045 DIA MIN.
21. SEE DRAWINGS 10-168008 THRU 10-168040 & 10-168208 THRU 10-168240 FOR REQUIRED MATING RECEPTACLE ASSEMBLIES.
22. SEE WORK ORDER FOR PERMISSIBLE ADDITIONAL OR ALTERNATE STAMPING.
23. 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.

NOTES: REF SYMBOL

MATERIAL SPEC.		PROCESS SPEC. 15-1 9-3106-5 ASSY 9-3103-1		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 CONNECTOR, ELECTRICAL PLUG, TYPE C () MC 90°				FRACTIONS ±		ANGLES ±	
TOOL ACC.		COM. REC. 32563-5						DECIMALS ± .010		CONCENTRICITY	
				D'MAN				CHECKER		MAT.	
				S.GREER				B. B. B. B.		W. W. W. W.	
				4-25-57				5-9-57		5-10-57	
				NONE				SCALE		SUPERSEDES	
								SUPERSEDED BY		10-168808 THRU 10-168840	
								REF.		10-68808/40	

DWG SIZE C

TAB. SHEET 2 OF 2

CODE 77820