

TABLE 1 - SHELL SIZE

SHELL SIZE	A THREAD CLASS 2B	ØB MAX	C MAX	D MAX	AVAILABLE ENTRY CODES
08	.437-28 UNEF	.72	.44	.72	A
10	.562-24 UNEF	.85	.47	.75	A
12	.687-24 UNEF	.97	.50	.78	A & B
14	.812-20 UNEF	1.10	.56	.81	A - C
16	.937-20 UNEF	1.22	.56	.84	A - C
18	1.062-18 UNEF	1.34	.59	.87	A - D
20	1.187-18 UNEF	1.47	.62	.91	A - D
22	1.312-18 UNEF	1.59	.66	.94	A - E
24	1.437-18 UNEF	1.72	.69	.97	A - F

NOTES:

- BOOT PROPERTIES:
 OPERATING TEMP RANGE: -40°C TO +90°C
 UNLIMITED SHELF LIFE AT ≤+25°C
 BONDING TEMP: MIN +140°C
 TENSILE STRENGTH: 14 N/mm
 ULTIMATE ELONGATION: 400%
 HEAT AGING (168 HR/175°C)
 ULTIMATE ELONGATION: 400%
 HEAT SHOCK (4 HR/215°C)
 ULTIMATE ELONGATION: 400%
 FLAMMABILITY: SELF EXTINGUISHING <15 SEC
 WATER ABSORPTION: <0.2%
 FLUID RESISTANCE (24 HR/23°C)
 HYDRAULIC OIL, JP-4, DEICING FLUID,
 LUBRICATING OILS, 5% NaCl IN WATER
 TENSILE STRENGTH: 10 N/mm
 ULTIMATE ELONGATION: 300%

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
	PART NO. DEVELOPMENT		

PART NO. DEVELOPMENT

C2679 - S 12 A J

BASIC NO.

CONFIGURATION

- S = STRAIGHT
- B = 45°
- A = 90°

SHELL SIZE
(SEE TABLE 1)

MATERIAL/FINISH CODE Δ

- J = AL. ALLOY; ENVIRONMENTAL, ELECTROLESS NICKEL FINISH
- P = STAINLESS STEEL; PASSIVATED FINISH
- V = AL. ALLOY; ENVIRONMENTAL, NON-CONDUCTIVE ANODIZE, 500 HR. SALT SPRAY FINISH
- W = AL. ALLOY; ENVIRONMENTAL, OLIVE DRAB CADMIUM, 500 HR. SALT SPRAY FINISH

ENTRY CODE
(SEE TABLE 2)

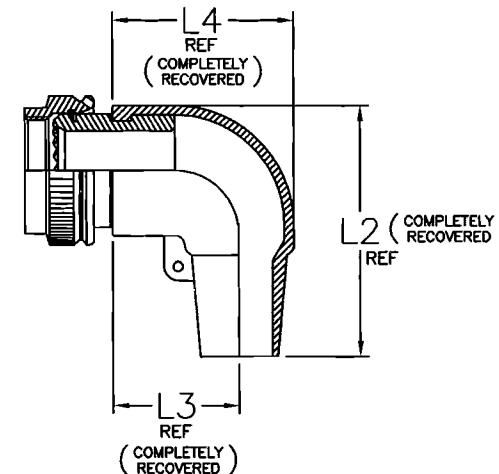
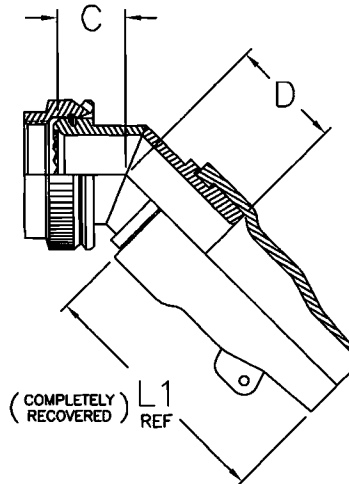
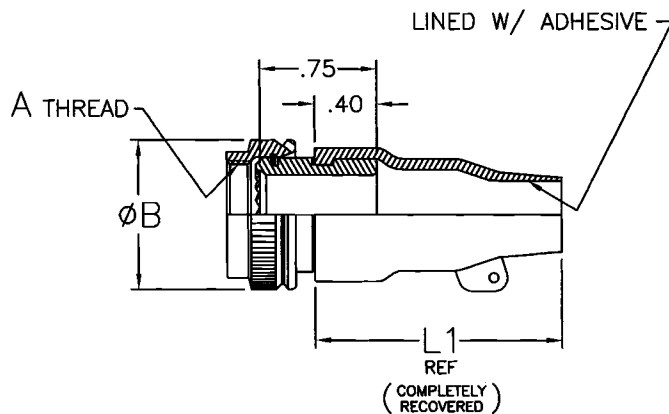


TABLE 2 - ENTRY CODE

ENTRY CODE	CABLE RANGE	L1 REF	L2 REF	L3 REF	L4 REF	SHRINK BOOT P/N REF
A	.236-.433	1.50	1.26	.65	.89	A2X2001-2-02/3
B	.256-.590	2.16	1.61	.76	1.07	A2X2001-3-02/3
C	.295-.709	2.63	2.01	.83	1.22	A2X2001-4-02/3
D	.354-.984	3.15	2.32	.90	1.38	A2X2001-5-02/3
E	.394-1.181	3.83	2.80	1.14	1.73	A2X2001-6-02/3
F	.630-1.575	5.13	3.98	1.32	2.08	A2X2001-7-02/3

4	SHRINK BOOT	A2X2001-X-02/3	1	SEMI-RIGID POLYOLEFIN	NONE
3	RETAINING RING	11521-XX/16	1	CRES 316	PASSIVATED
2	COUPLING NUT	10188-XX/XX	1	AS SPECIFIED Δ	AS SPECIFIED Δ
1	BODY	13160-XXXX/XX	1	AS SPECIFIED Δ	AS SPECIFIED Δ

ITEM NO.	NOMENCLATURE OR DESCRIPTION	PART OR IDENTIFYING NO.	QTY REQD	MATERIAL	FINISH
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FILESPEC: C2679

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
 TOLERANCES
 DECIMALS .XX ±.03
 ANGULAR ± P
 .XXX ±.010
 DO NOT SCALE DRAWING

TREATMENT

FINISH

SIMILAR TO ACT. WT CALC WT

CONTRACT NO.

DRAWN E. GRISWOLD DATE 09/14/95

CHECK E. GRISWOLD DATE 09/14/95

DESIGN E. GRISWOLD DATE 09/14/95

DESIGN ACTIVITY

CUSTOMER

KERN ENGINEERING & MFG. CORP.
 1146 E. ASH AVE., FULLERTON, CA 92631

TITLE: HEAT SHRINKABLE BACKSHELLS, ENVIRONMENTALLY SEALING, MIL-C-38999 SERIES 1/2

SIZE B FSCM NO. 50619 DWG NO. C2679 REV N/C

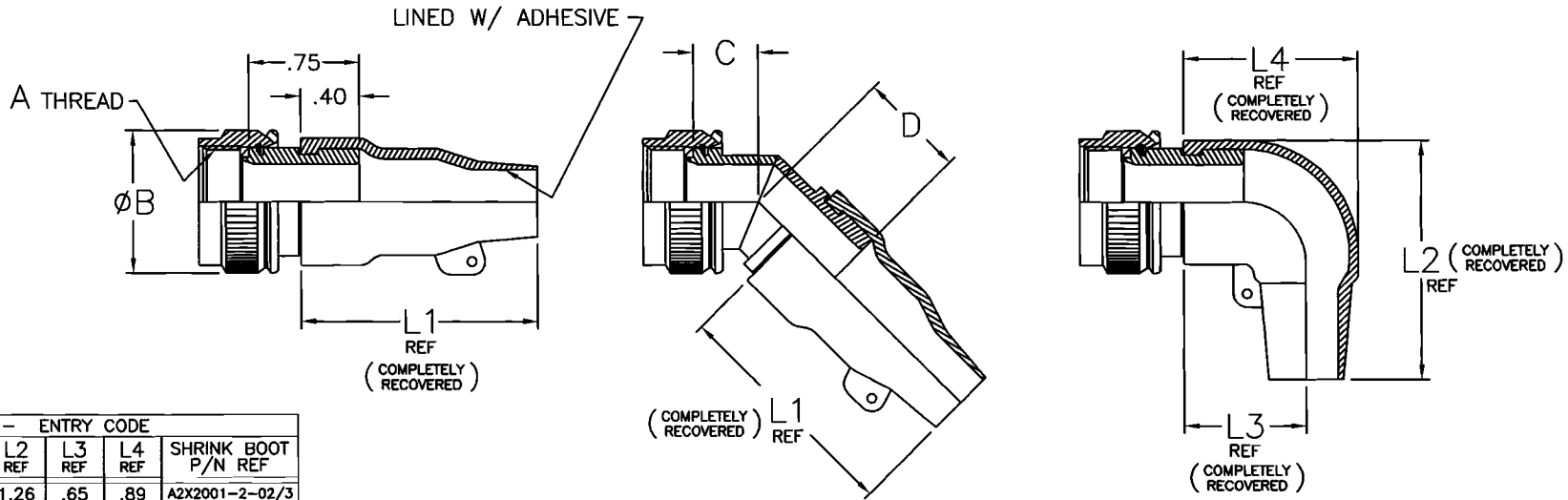
SCALE NONE RELEASE DATE 09/14/95 SHEET 1 OF 1

SHELL SIZE	A THREAD CLASS 2B	ØB MAX	C MAX	D MAX	AVAILABLE ENTRY CODES
08	.500-20 UNF	.72	.44	.72	A
10	.625-24 UNEF	.85	.47	.75	A
12	.750-20 UNEF	.97	.50	.78	A & B
14	.875-20 UNEF	1.10	.56	.81	A - C
16	1.000-20 UNEF	1.22	.56	.84	A - C
18	1.125-18 UNEF	1.34	.59	.87	A - D
20	1.250-18 UNEF	1.47	.62	.91	A - D
22	1.375-18 UNEF	1.59	.66	.94	A - E
24	1.500-18 UNEF	1.72	.69	.97	A - F

NOTES:

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 UNLIMITED SHELF LIFE AT ≤+25°C
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 HYDRAULIC OIL, JP-4, DEICING FLUID,
 LUBRICATING OILS, 5% NaCl IN WATER
 TENSILE STRENGTH: 10 N/mm
 ULTIMATE ELONGATION: 300%

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
	PART NO. DEVELOPMENT		
	C2662 - S 12 A J		
	BASIC NO.		MATERIAL/FINISH CODE Δ
	CONFIGURATION		J = AL. ALLOY; ENVIRONMENTAL, ELECTROLESS NICKEL FINISH
	S = STRAIGHT		P = STAINLESS STEEL; PASSIVATED FINISH
	B = 45°		V = AL. ALLOY; ENVIRONMENTAL, NON-CONDUCTIVE ANODIZE, 500 HR. SALT SPRAY FINISH
	A = 90°		W = AL. ALLOY; ENVIRONMENTAL, OLIVE DRAB CADMIUM, 500 HR. SALT SPRAY FINISH
	SHELL SIZE (SEE TABLE 1)		ENTRY CODE (SEE TABLE 2)



ENTRY CODE	CABLE RANGE	L1 REF	L2 REF	L3 REF	L4 REF	SHRINK BOOT P/N REF
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C	.295-.709	2.63	2.01	.83	1.22	A2X2001-4-02/3
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4	SHRINK BOOT	A2X2001-X-02/3	1	SEMI-RIGID POLYOLEFIN	NONE
3	RETAINING RING	11521-XX/16	1	CRES 316	PASSIVATED
2	COUPLING NUT	10190-XX/XX	1	AS SPECIFIED Δ	AS SPECIFIED Δ
1	BODY	T.B.D.	1	AS SPECIFIED Δ	AS SPECIFIED Δ
ITEM NO.	NOMENCLATURE OR DESCRIPTION	PART OR IDENTIFYING NO.	QTY REQD	MATERIAL	FINISH

FILESPEC: C2662

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	TREATMENT		TITLE: HEAT SHRINKABLE BACKSHELLS, ENVIRONMENTALLY SEALING, MIL-C-5015 CRIMP, MS3400 SERIES	
	FINISH		SIZE B FSCM NO. 50619 DWG NO. C2662 REV N/C	
	SIMILAR TO	ACT. WT	CALC WT	CUSTOMER

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KERN / R3 PLATING CODE LEGEND

KERN CODE	R3 CODE	DESCRIPTION	BUILD-UP	COLOR	CONDUCTIVE
A	CB	CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 3	.0002-.0003	Bright Dip	Yes
	AA	DULL BLACK HARD ANODIZE, Per MIL-A-8625 Type III Class 2	.0015-.0020	Black	
	AB	DULL BLACK HARD ANODIZE, Per MIL-A-8625 Type III Class 2	.0001-.0004	Black	
B	CC	CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 3	.0002-.0003	Olive Drab	Yes
BC		CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 3	.0002-.0003	Black	Yes
BD		GOLD IRIDITE, Per MIL-C-5541, Class 3, over Cadmium Per QQ-P-416, II, Class 3		Gold	
C		CHEMICAL FILM (IRIDITE OR ALODINE), Per MIL-C-5541 Class 3			Yes
W	CA	CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 2 Over Nickel Per MIL-C-26074, Class 3 or 4, Grade B (To Meet 500Hr Salt Spary Test)	.0010-.0013	Olive Drab	Yes
A	CB	CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 3	.0002-.0003	Bright Dip	Yes
B	CC	CAD PLATE (CADMIUM), Per QQ-P-416, Type II Class 3	.0002-.0003	Olive Drab	Yes
D		CAD PLATE (CADMIUM), Per QQ-P-416 Type I Class 3 Over Electrodeposited Nickel Per QQ-N-290 Class I Grade E	.0007-.0010	Bright Dip	Yes
E		CAD PLATE (CADMIUM), Per QQ-P-416 Type II Class 3 Over Electrodeposited Nickel Per QQ-N-290 Class I Grade E	.0007-.0010	Olive Drab	Yes
F		CAD PLATE (CADMIUM), Per QQ-P-416 Type I Class 3 Over Electroless Nickel Per MIL-C-26074 Class 3 or 4 Grade B	.0007-.0010	Bright Dip	Yes
G		CAD PLATE (CADMIUM), Per QQ-P-416 Type II Class 3 Over Electroless Nickel Per MIL-C-26074 Class 3 or 4 Grade B	.0007-.0010	Olive Drab	Yes
	GA	GOLD, PER MIL-G-45204 Over Copper (23.5-31.5 Micro Inches or 6.8 Microns)	6.8 Microns		
	GB	GOLD, PER MIL-G-45204 Over Copper (51-67 Micro Inches or 1.3-1.7 Microns)	1.3-1.7 Microns		
H		ELECTRODEPOSITED NICKEL PLATE, Per QQ-N-290 Cl's I Grade C	.0007-.0010		Yes

I		CAD PLATE (CADMIUM) , Per Harris Specification	.0013-.0016		Yes
J	NA	ELECTROLESS NICKEL PLATE , Per SAE AMS-C-26074	.0007-.0010		Yes
		<i>Class 3 or 4 (Bake for 1 Hour), Grade B</i>			
JJ		ELECTROLESS NICKEL PLATE , Per SAE AMS 2404F, Class 4	.0010-.0013		Yes
K		HARD CHROME PLATE (SATIN FINISH)	.0007-.0010		Yes
		<i>Per QQ-C-320 Type II Class 2</i>			
L		TIN PLATE , Per MIL-T-10727 Type I	.0001-.00025		Yes
M		CAD PLATE (GOLD IRIDITE) , Per QQ-P-416 Type II Class 3 Over	0.0006		Yes
		<i>MIL-C-26074B NICKEL STRIKE or QQ-N-290 NICKEL FLASH</i>			
N		GOLD PLATE , Per MIL-G-45204 Type II Class II	.00010-.00015		Yes
J	NA	ELECTROLESS NICKEL PLATE , Per SAE-AMS-C-26074	.0007-.0010		Yes
		<i>Class 3 or 4 (Bake for 1 Hour), Grade B</i>			
P	PA	PASSIVATE , Per ASTM-A967, QQ-P-35 (for CRES parts only)			Yes
Y	PB	BLACK OXIDE , Per MIL-C-13924		Black	Yes
		<i>Class 1: Iron & Steel</i>			
		<i>Class 2: Stainless Steel (Other than 300 Series)</i>			
		<i>Class 3: Fused Salt Process</i>			
		<i>Class 4: 300 Series Stainless</i>			
<i>Copper Alloys: Per MIL-F-495</i>					
R		BLACK ANODIZE , Per MIL-A-8625 Type II Class 2 (Aluminum Only)	.0001-.0004	Black	No
S		RED ANODIZE , Per MIL-A-8625 Type II Class 2 (Aluminum Only)	.0001-.0004	Red	No
SJ		ELECTROLESS NICKEL PLATE ,	.0003-.0006		Yes
		<i>Per MIL-C-26074 Class 3 or 4 (No Grade)</i>			
T		GREEN ANODIZE , Per MIL-A-8625 Type II Class 2 (Aluminum Only)	.0001-.0004	Green	No
TJ		ELECTROLESS NICKEL PLATE , Per SAE AMS-C-26074	.0010-.0013		Yes
		<i>Class 3 or 4 (Bake for 1 Hour), Grade A</i>			
U		CLEAR ANODIC COATING , Per MIL-A-8625 Type II Class 1	.0001-.0004		No
		<i>(Aluminum Only)</i>			
V		HARD ANODIZE , Per MIL-A-8625 Type III Class 1 (Aluminum Only)	.0018-.0022		Yes
	VA	SILVER , Per ASTM B 700 or QQ-S-365	5.1-8.5	Silver	
		<i>201-335 Micro Inches (5.1-8.5 Microns)</i>	Microns		

W	CA	CAD PLATE (CADMIUM), Per QQ-P-416 Type II CLASS 2 Over	.0010-.0013	Olive Drab	Yes
		Electroless Nickel Per MIL-C-26074 Cl's 3 or 4 Grade B (To Meet 500Hr Salt Spray Test)			
WW		CAD PLATE (CADMIUM), Per QQ-P-416 Type II CLASS 2 Over	TBA	Olive Drab	Yes
		Electroless Nickel Per MIL-C-26074 Cl's 3 or 4 Grade B (To Meet 1000Hr Salt Spray Test)			
XX	XX	UNPLATED, (No Allowance for finish)			
Y	PB	BLACK OXIDE, Per MIL-C-13924		Black	Yes
		Class 1: Iron & Steel			
		Class 2: Stainless Steel (Other than 300 Series)			
		Class 3: Fused Salt Process			
		Class 4: 300 Series Stainless			
Copper Alloys: Per MIL-F-495					
Z		SPECIAL FINISH Per Customer Specification / Blueprint			
	ZC	BLACK ZINC COBALT, Per ASTM-B840		Black	
	ZCG	GREEN ZINC COBALT, Per ASTM-B840		Green	