

TABLE I										REVISIONS	
DASH NO	CONNECTOR SHELL SIZE REF	A		B		C		D		E	
		+ .031/- .016 DIM		MIN CABLE CLEARANCE		MAX DIM		+ .000/- .020 DIA		MAX CLOSED DIM	
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3C	8S, 10S	.188 (4.8)	.239 (6.1)	.812 (20.6)	.389 (9.9)	.231 (5.9)	.125 (3.2)	.441 (11.2)	1.375 (34.9)	.156 (4.0)	.473 (12.0)	.254 (6.5)
4C	10SL 12, 12S	.188 (4.8)	.317 (8.1)	.937 (23.8)	.510 (13.0)	.296 (7.5)	.315 (8.0)	.125 (3.2)	1.375 (34.9)	.156 (4.0)	.473 (12.0)	.254 (6.5)
6C	14, 14S	.188 (4.8)	.443 (11.3)	1.062 (27.0)	.627 (15.9)	.390 (9.9)	.440 (11.2)	.125 (3.2)	1.375 (34.9)	.156 (4.0)	.473 (12.0)	.254 (6.5)
8C	16, 16S	.188 (4.8)	.551 (14.0)	1.188 (30.2)	.744 (18.9)	.434 (11.0)	.515 (13.1)	.125 (3.2)	1.375 (34.9)	.156 (4.0)	.473 (12.0)	.254 (6.5)
10C	18	.188 (4.8)	.630 (16.0)	1.312 (33.3)	.870 (22.1)	.434 (11.0)	.614 (15.6)	.125 (3.2)	1.437 (36.5)	.156 (4.0)	.537 (13.6)	.281 (7.1)
12C	20, 22	.250 (6.4)	.771 (19.6)	1.562 (39.7)	1.037 (26.3)	.596 (15.1)	.738 (18.7)	.156 (4.0)	1.107 (28.1)	.156 (4.0)	.625 (15.9)	.320 (8.1)
16C	24, 28	.250 (6.4)	.959 (24.4)	1.750 (44.5)	1.286 (32.7)	.596 (15.1)	.926 (23.5)	.156 (4.0)	1.357 (34.5)	1.562 (39.7)	.662 (16.8)	.344 (8.7)
20C	32	.312 (7.9)	1.271 (32.3)	2.250 (57.2)	1.590 (40.4)	.858 (21.8)	1.200 (30.5)	.156 (4.0)	1.670 (42.4)	.156 (4.0)	.940 (23.9)	.406 (10.3)
24C	36	.312 (7.9)	1.396 (35.5)	2.375 (60.3)	1.844 (46.8)	.858 (21.8)	1.363 (34.6)	.188 (4.8)	1.920 (48.8)	2.062 (52.4)	.940 (23.9)	.406 (10.3)
28C	40	.312 (7.9)	1.646 (41.8)	2.625 (66.7)	2.083 (52.9)	1.107 (28.1)	1.611 (40.9)	.188 (4.8)	2.162 (54.9)	2.062 (52.4)	.940 (23.9)	.406 (10.3)
32C	44	.375 (9.5)	1.896 (48.2)	2.812 (71.4)	2.332 (59.2)	1.421 (36.1)	1.865 (47.4)	.188 (4.8)	2.412 (61.3)	2.188 (55.6)	1.047 (26.6)	.500 (12.7)

TABLE I, CONTINUED

DASH NO	P	MIN DEG	R	T	U	FILLISTER HEAD SCREW	LOCK WASHER	V	W	X	Z DIA		BUSHING REF GS3420 DASH NO	MAX CABLE ENTRY
						AN500D MS35275 DASH NO	MS35338 DASH NO	THREAD CLASS 2B	MIN DIM	DIM	APPROXIMATE (GLAND)	CLOSED		
3C	20°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-8	230	136	.500-28 UNF	.469 (11.9)	.025 (0.6)	.219 (5.6)	.031 (0.8)	3*	.219 (5.6)
4C	20°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-10	231	136	.525-24 UNEF	.594 (15.1)		.312 (7.9)	.094 (2.4)	4*	.312 (7.9)
6C	30°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-10	231	136	.750-20 UNEF	.594 (15.1)		.438 (11.1)	.250 (6.4)	6*	.438 (11.1)
8C	30°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-12	232	136	.875-20 UNEF	.719 (18.3)		.531 (13.5)	.312 (7.9)	8*	.515 (13.1)
10C	30°	.531 (13.5)	.672 (17.1)	.138-32 UNC	6-12	232	136	1.000-20 UNEF	.719 (18.3)	.032 (0.8)	.625 (15.9)	.375 (9.5)	10*	.614 (15.6)
12C	30°	.531 (13.5)	.719 (18.3)	.164-32 UNC	8-14	248	137	1.188-18 UNEF	.844 (21.4)		.750 (19.1)	.500 (12.7)	12*	.738 (18.7)
16C	30°	.531 (13.5)	.719 (18.3)	.164-32 UNC	8-18	N/A	137	1.438-18 UNEF	1.062 (27.0)		.938 (23.8)	.594 (15.1)	16*	.926 (23.5)
20C	35°	.562 (14.3)	.797 (20.2)	.250-20 UNC	416-20	284	139	1.750-18 UNS	1.187 (30.1)		1.250 (31.8)	.938 (23.8)	20*	1.200 (30.5)
24C	35°	.781 (19.8)	1.016 (25.8)	.250-20 UNC	416-22	N/A	139	2.000-18 UNS	1.312 (33.3)	.051 (1.3)	1.375 (34.9)	.969 (24.6)	24*	1.363 (34.6)
28C	35°	.781 (19.8)	1.016 (25.8)	.250-20 UNC	416-22	N/A	139	2.250-16 UN	1.312 (33.3)		1.625 (41.3)	1.138 (28.9)	28*	1.611 (40.9)
32C	35°	.781 (19.8)	1.172 (29.8)	.250-20 UNC	416-22	N/A	139	2.500-16 UN	1.312 (33.3)	.064 (1.6)	1.875 (47.6)	1.375 (34.9)	32*	1.865 (47.4)

NOTES:

1. ASSEMBLY IDENTIFIED WITH MANUFACTURERS NAME & P/N, SPACE PERMITTING.

2. GLENAIR 600 SERIES BACKSHELL ASSEMBLY TOOLS ARE RECOMMENDED FOR ASSEMBLY AND INSTALLATION.

3. WHEN THE RETAINING RING IS NOT USED, THE DIMENSIONS LISTED IN COLUMN "H" SHALL BE THE MINIMUM OUTER DIAMETER OF THE GLAND FOR THE ASSOCIATED DASH NUMBER.

4. OPTIONAL RETAINING RING SHALL BE BONDED TO GLAND.

5. LUBRICANT, VV-P-236, MAY BE APPLIED TO THREADS AND SURFACES OF SLEEVE IF REQUIRED.

6. FOR SIZES -3 THRU -10, SERRATIONS SHALL BE COVERED WITH RUBBER. LARGER SIZES MAY BE COVERED WITH RUBBER. DEPTH OF RUBBER SHALL NOT EXCEED .013.

7. FOR ADDITIONAL CLOSEDOWN OF Ø Z, BUSHINGS GS3420-3* THRU GS3420-32* MAY BE USED. Ø Z SHALL BE FREE OF OBSTRUCTIONS. BUSHINGS ARE NOT SUPPLIED AND MUST BE ORDERED SEPARATELY.

8. MATERIAL/FINISH:
CLAMP BODY & SADDLES - AL ALLOY/CADMIUM PLATE, OLIVE DRAB OVER ELECTROLESS NICKEL (FINISH NOT FOR USE IN SPACE APPLICATION)

SLEEVE - AL ALLOY/GOLD IRIDIITE
SCREWS & WASHERS - CRES/PASSIVATE
GLAND - SILICONE/NA
RETAINING RING - BRASS SAE 70, HARD TEMPER ONLY/NA

PART NUMBER DEVELOPMENT

EXAMPLE: GS85049/ 2 3C

PRODUCT SERIES

BASIC NO

DASH NUMBER, TABLE I

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY.		DRW	T. BAKER	05/21/08	CAD 2448
TOLERANCES:		CHECK	A. MIKLOS	05/21/08	
FRACTIONS ± 1/16		ENGR	A. MIKLOS	05/21/08	
DECIMALS .XX ±.03 (0.8)		GLENAIR, INC.			
ANGLES ± .2°		1211 AIR WAY - GLENDALE - CALIFORNIA 91201			
DO NOT SCALE THIS DRAWING		CLAMP ASSEMBLY, ENVIRONMENTAL, CABLE SEALING, STRAIGHT STRAIN RELIEF FOR HELICAL SOLDER TYPE V CONNECTORS MS310X CLASSES A, B, C OR K CONNECTORS			
B/F 07-8843		P/C 62		SCALE N/A	
SHEET NO		SHEET 2 OF 2		WEIGHT N/A	
REV.		REV.		REV.	
06324		D		GS85049/2	

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