

REVISIONS
SEE SHEET 1

TABLE I

DASH NO	CONNECTOR SHELL SIZE REF	A + .031/- .016 DIM	B MIN CABLE CLEARANCE	C MAX DIM	D + .000/- .020 DIA	E MAX CLOSED DIM	F + .020/- .000 DIA	G + .016 DIM	H + .000/- .020 DIA Δ	K MAX DIM	L MIN DIM	M + .031 DIM	N + .016 DIM
3C	8S, 10S	.188 (4.8)	.239 (6.1)	.812 (20.6)	.389 (9.9)	.217 (5.5)	.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)	.560 (14.2)	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)	.676 (17.2)	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)	.800 (20.3)	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)	.494 (12.5)	.614 (15.6)	.125 (3.2)	.926 (23.5)	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)	1.437 (36.5)	.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)	.156 (4.0)	.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)	1.812 (46.0)	.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)	.156 (4.0)	.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)	.156 (4.0)	.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)	.188 (4.8)	1.047 (26.6)	.500 (12.7)

TABLE I, CONTINUED

DASH NO	P MIN DEG	R MIN DIM	T +.016 DIM	U THREAD CLASS 2A	FILLISTER HEAD AN500D DASH NO	SCREW MS35275 DASH NO	LOCK WASHER MS35338 DASH NO	V THREAD CLASS 2B	W MIN DIM	X DIM	Z DIA			BUSHING REF GS3420 DASH NO	MAX CABLE ENTRY
											APPROXIMATE (GLAND)		CLOSED		
3C	20°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-8	230	136	.500-28 UNF	.469 (11.9)			.219 (5.6)		.031 (0.8)	3*
4C	20°	.531 (13.5)	.641 (16.3)	.138-32 UNC	6-10	231	136	.625-24 UNEF	.594 (15.1)	+ .010 (0.3)		.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)	.025 (0.6)	- .003 (0.1)	.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)	+ .012 (0.3)	.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)		- .003 (0.1)	.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)	.051 (1.3)	± .005 (0.1)	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)			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)	± .005 (0.1)	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.		CAD 2488	
DRAWN	T. BAKER	05/21/08	
CHECK	A. MIKLOS	05/21/08	
ENGR	A. MIKLOS	05/21/08	
GLENAIR, INC. 1211 AIR WAY - GLENDALE - CALIFORNIA 91201			
TOLERANCES:			
FRACTIONS ± 1/16			
DECIMALS .XX ±.03 (0.8)			
ANGLES .XXX ±.015 (0.4)			
DO NOT SCALE THIS DRAWING			
B/P 07-8843		P/C 62	
SCALE N/A		WEIGHT N/A	SHEET 2 OF 2