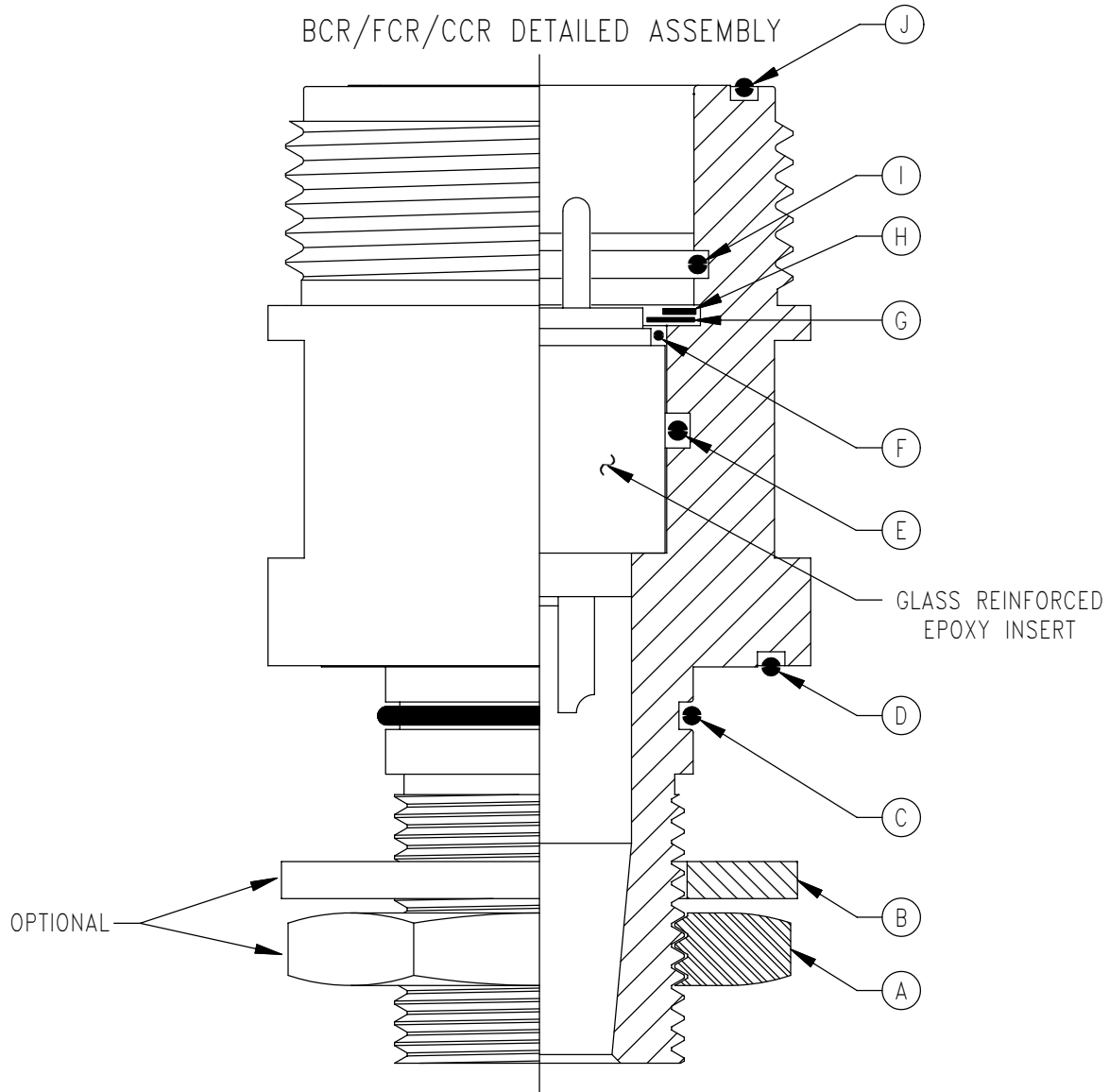


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DESCRIPTION AND MATERIAL	<ul style="list-style-type: none"><li>• 316 stainless steel passivated per QQ-P-35 Type VI with naval bronze engaging nut.</li><li>• Optional material is (MSA) 6061-T6 Aluminum, hard anodized per MIL-A-8625, Type III, Class 2.</li><li>• Special alloys are available upon request (contact factory).</li><li>• Contains a removable glass reinforced epoxy insert (with the exception of the MSSJ/MSAJ).</li><li>• One to 96 contacts.</li><li>• Up to 600 VDC. Up to 5000 VDC using high voltage insert.</li><li>• From 10,000 PSI to 20,000 PSI in mated condition (higher pressure rating available using special alloy metal shell; please contact factory).</li><li>• Bulkhead connector design open face pressure rated to 5000 psi.</li><li>• MSS-CCR/CCP connectors can be overmolded with polyurethane or neoprene.</li><li>• Conductor insulation and jacket material of specified cable determines overmold material.</li><li>• Contacts are gold plated per MIL-G-45204.</li></ul>
CABLE MATERIAL	<ul style="list-style-type: none"><li>• Connector's amperage and voltage may be limited by the amperage and voltage ratings of the cable to which the connector is molded.</li><li>• This series is not molded to cable unless specified at the time of order.</li></ul>
USES MATERIAL	<ul style="list-style-type: none"><li>• Heavy duty applications.</li><li>• Hazardous, rugged environment.</li><li>• Power transmission.</li><li>• Signal telemetry.</li><li>• FCR is mounted by use of six equally spaced bolts around the flange surface.</li><li>• FCR is used in place of the BCR when the use of a bulkhead nut and washer is impractical.</li><li>• For all open face pressures above 5,000 PSI the BCR, FCR must be back potted (please contact the factory).</li><li>• The CCR is used in a variety of rugged environments where cable to cable termination is necessary.</li></ul>
GUIDELINES MATERIAL	<ul style="list-style-type: none"><li>• Mounting torque should not exceed 200 in lbs. for this series.</li><li>• All mounting surfaces require a 32 finish.</li><li>• Align indexes.</li><li>• Keep o-ring grooves clean.</li><li>• Avoid o-ring cuts and nicks.</li><li>• Lubricate o-rings with Dow Corning #111 Valve Lubricant or equivalent.</li><li>• Replace o-rings when re-using connectors.</li><li>• Avoid contact with noxious solvents.</li><li>• Elastomers can be seriously degraded if exposed to direct sunlight or high ozone levels for extended periods of time.</li></ul>



SCALE NONE

SHELL SIZE	G	K	L	M	O	Q
A BULKHEAD NUT*	35000 S 00	35000 S 01	35000 S 02	35000 S 03	35000 S 04	35000 S 06
B BULKHEAD WASHER*	35500 S 00	35500 S 01	35500 S 02	35500 S 03	35500 S 04	35500 S 06
C O-RING**	2-017	2-021	2-122	2-224	2-228	2-233
D O-RING**	2-023	2-029	2-131	2-142	2-234	2-241***
E O-RING	2-016	2-118	2-122	2-126	2-225	2-230
F O-RING	NONE	2-018	2-022	2-123	2-131	2-141
G INTERNAL WASHER	NONE	35000 S 21	35000 S 22	35000 S 23	35000 S 24	35000 S 26
H SPIROLOX RING	UR-62	UR-106	UR-131	UR-150	UR-187	UR-250
I O-RING	2-016	2-023	2-027	2-128	2-225	2-230
J O-RING	2-020	2-027	5-320	2-132	2-140	2-151

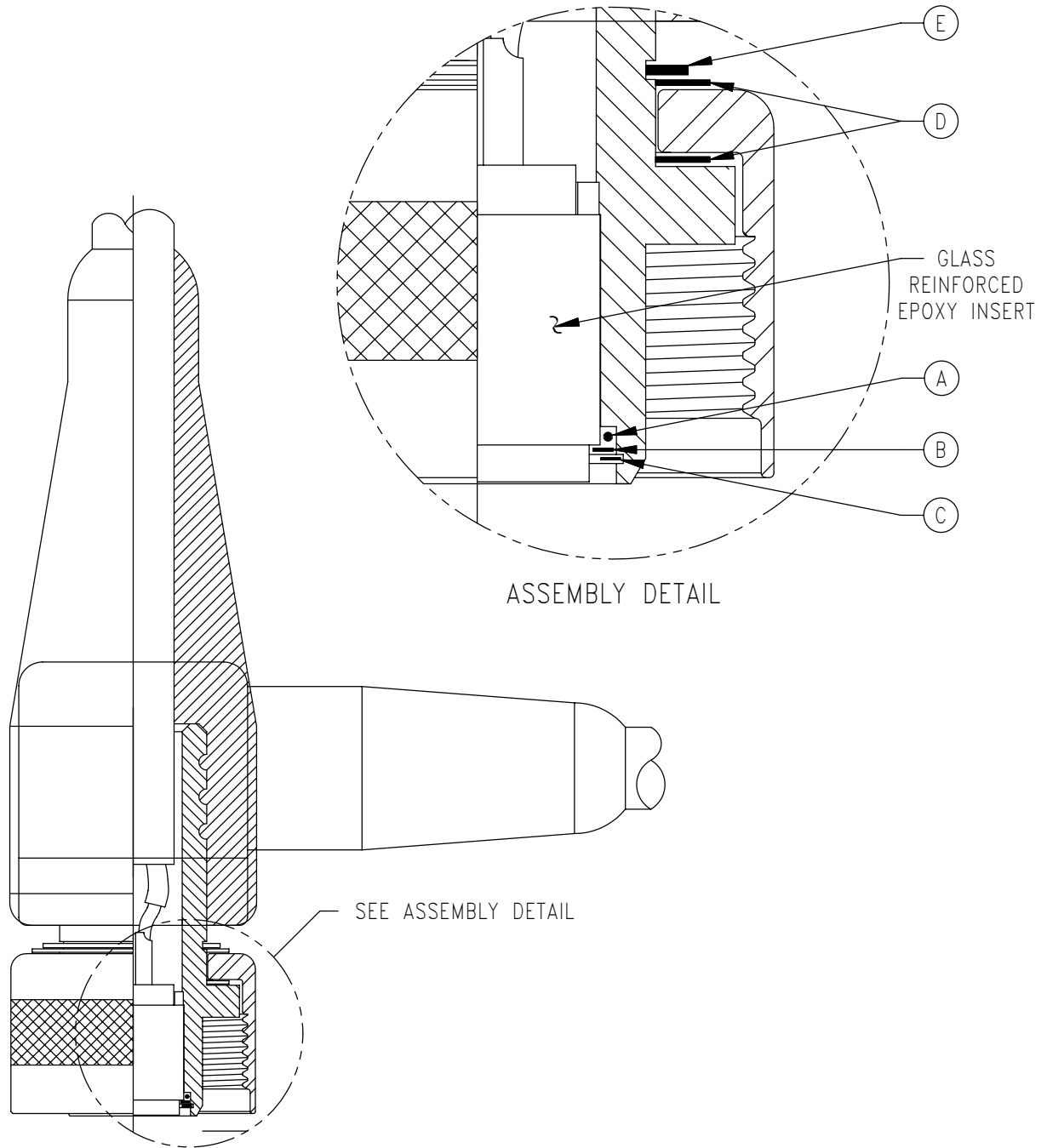
NOTE: See Technical Bulletin 45 10 for J size detailed assembly.

\* Not required with FCR or CCR assemblies.

\*\* Not required with CCR assembly.

\*\*\* FCR uses 2-240.

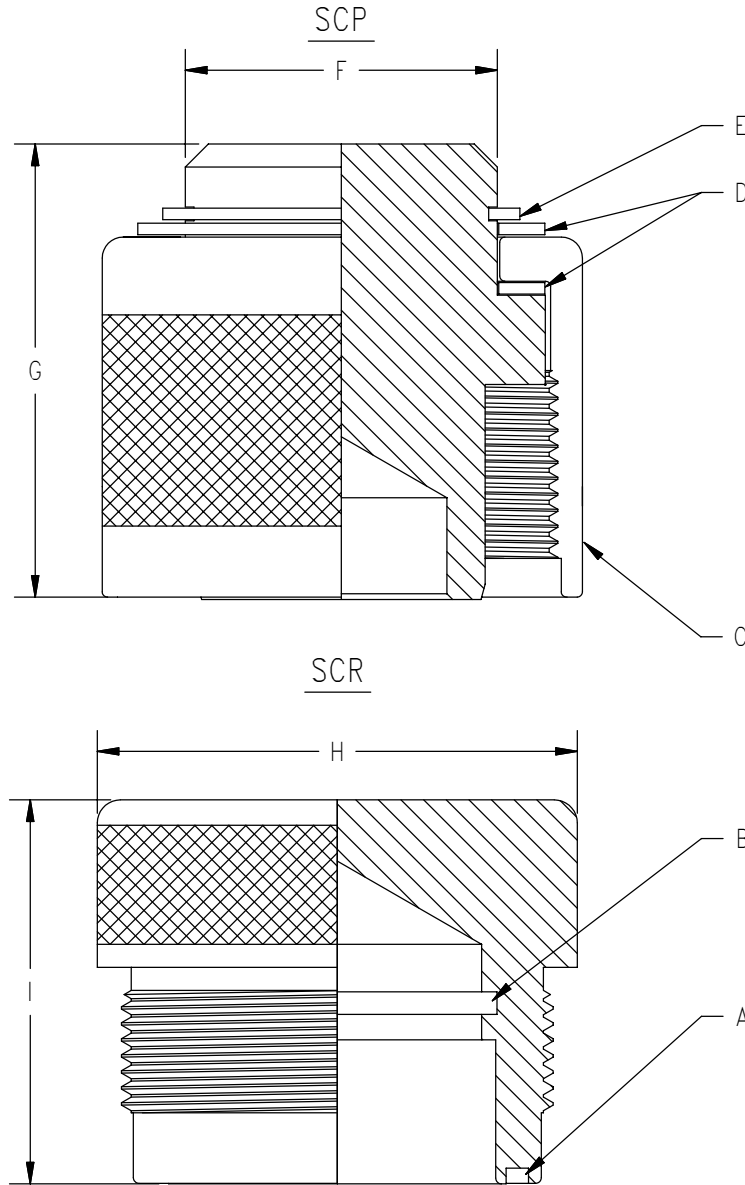
## CCP DETAILED ASSEMBLY



SCALE NONE

SHELL SIZE	G	K	L	M	O	Q
A O-RING	NONE	2-017	2-021	2-024	2-127	2-137
B WASHER	NONE	35000 S 31	35000 S 32	35000 S 33	35000 S 34	35000 S 36
C SPIROLOX RING	NONE	UR-87	UR-112	UR-137	UR-162	UR-225
D DELRIN WASHER (2X)	NONE	35000 P 11	35000 P 12	35000 P 13	35000 P 14	35000 P 16
E RETAINING RING	5100-87	5100-112	5100-137	5100-162	5100-212	5100-275

NOTE: See Technical Bulletin 45 10 for J size detailed assembly.



CONNECTOR SIZE	MSK	MSL	MSM	MSO	MSQ
A O-RING	2-027	5-320	2-132	2-140	2-151
B O-RING	2-023	2-027	2-128	2-225	2-230
C ENGAGING NUT	607406	607507	607606	607706	607917
D DELRIN WASHER (2X)	35000 P11	35000 P12	35000 P13	35000 P14	35000 P16
E RETAINING RING	5100-112	5100-137	5100-162	5100-212	5100-275
F DIA	1.11	1.38	1.62	2.12	2.75
G	1.56	1.56	2.37	2.37	2.37
H DIA	1.87	2.12	2.50	3.00	3.87
I	1.50	1.50	2.00	2.00	2.12
MATED PRESSURE RATING (psi)	20,000	20,000	20,000	20,000	20,000

SCALE NONE