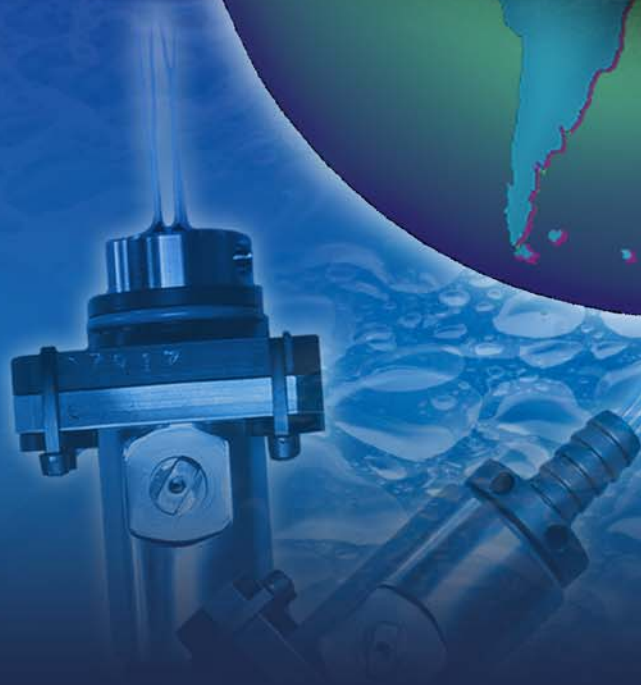


SEACON

PENETRATORS

UNDERWATER ELECTRICAL & OPTICAL PENETRATORS



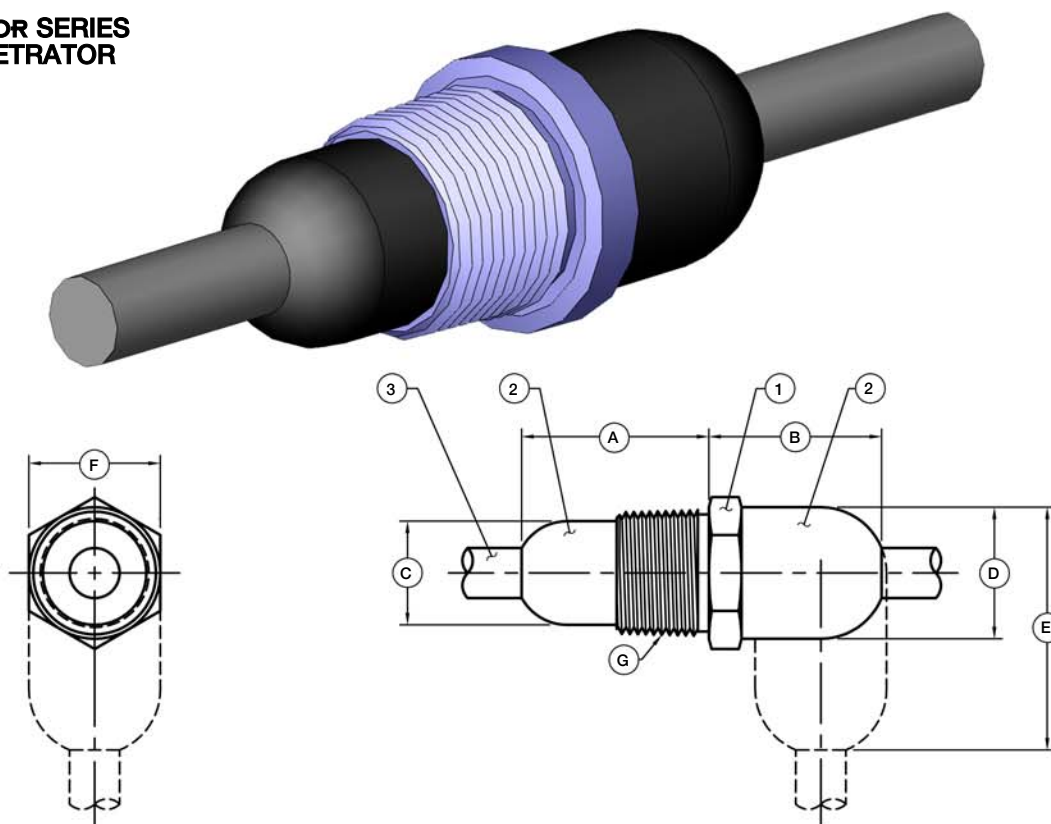
Penetrators are used in applications in which a waterproof seal needs to be made between a cable and a pressure vessel. This is often accomplished using a connector set, but if there is no requirement to separate the cable from the equipment, a penetrator may be used. A penetrator generally has fewer seals and may be physically smaller than a connector pair but hard wiring the cable to the equipment may make it less flexible in use than a connector.

We have designed and sold many penetrator products over the years. Those shown on these pages are the current standards. We may be able to provide earlier designs if necessary, but please consider those shown here.

In addition to those shown, we make many custom penetrators based on parameters supplied to us by our customers. If you do not find something that fits your requirements, please contact SEA CON and we can assist you by recommending an existing design or developing a new one.

DIMENSION DETAILS

PENETRATOR SERIES NPT PENETRATOR



ITEM:

- 1 - NPT PENETRATOR - 316 Stainless Steel.
- 2 - NEOPRENE MOLDING (POLYURETHANE OPTIONAL).
- 3 - CABLE.

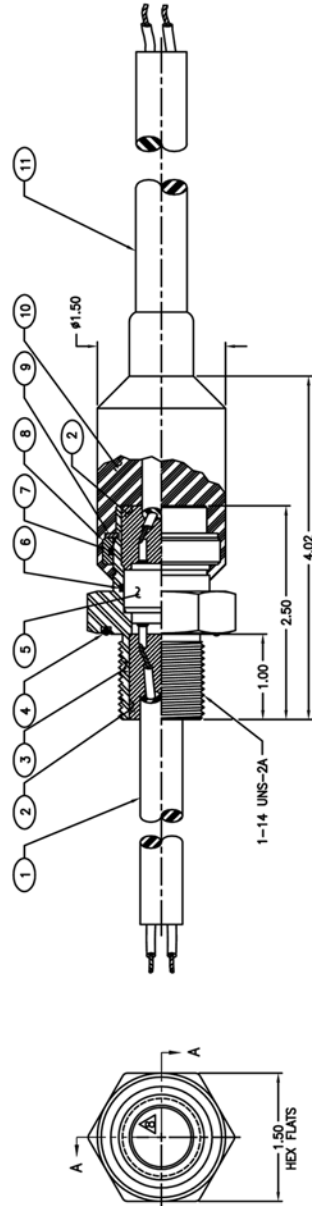
PENETRATOR SIZE	A - (INCHES)	B - (INCHES)	C - Ø (INCHES)	D - Ø (INCHES)	E - (INCHES)	F - HEX (INCHES)	G - NPT
1" NPT	1.95	1.80	1.08	1.37	2.8	1.37	1-11 1/2
3/4" NPT	1.70	1.80	0.87	0.93	2.5	1.06	3/4-14
1/2" NPT	1.50	1.80	0.62	0.82	2.0	0.87	1/2-14

NOTES:

- Tin plated contact leads per MIL-T-10727, Type 1, and Fused.
- Hermetic Seal must withstand 10,000 psi test Hydrostatic Pressure.
- Test voltage 800 VAC for 3 seconds minimum without breakdown.
- Maximum contact configuration: 8 PIN.

NOTES:

1. MATERIAL: 316 SST PER MSBA-002.
 2. MATERIAL: NITRILE PER MSBA-028.
 3. MATERIAL: GRE PER MSBA-034
 4. MATERIAL: 15-7 PH PER MSBA-007.
 5. MATERIAL: NEOPRENE PER MSBA-027.
 6. MATERIAL: WHITE EPOXY PER MSBA-033.
 7. MATERIAL: COPPER & ALLOY PER MSBA-080.
 8. REFERENCE TABLE FOR CONTACT CONFIGURATIONS.
 9. TORQUE RATING: 125 IN LBS.
 10. (DELETED).



SECTION A-A

ASSY PART NO.	INSERT NO.	NO. OF CONTACTS	CONTACT GAUGE	MAXIMUM HYDROSTATIC TEST PRESSURE	MAXIMUM NITROGEN TEST PRESSURE
7093-112-1	7331-275-1	1	1/0	3000 PSI	1000 PSI
7093-112-3	7331-275-3	3	8	3000 PSI	1000 PSI
7093-112-4	7331-275-4	4	10	10000 PSI	1000 PSI
7093-112-6	7331-275-6	6	16	10000 PSI	1000 PSI
7093-112-8	7331-275-8	8	14	10000 PSI	1000 PSI
7093-112-20	7331-275-20	20	16	10000 PSI	1000 PSI

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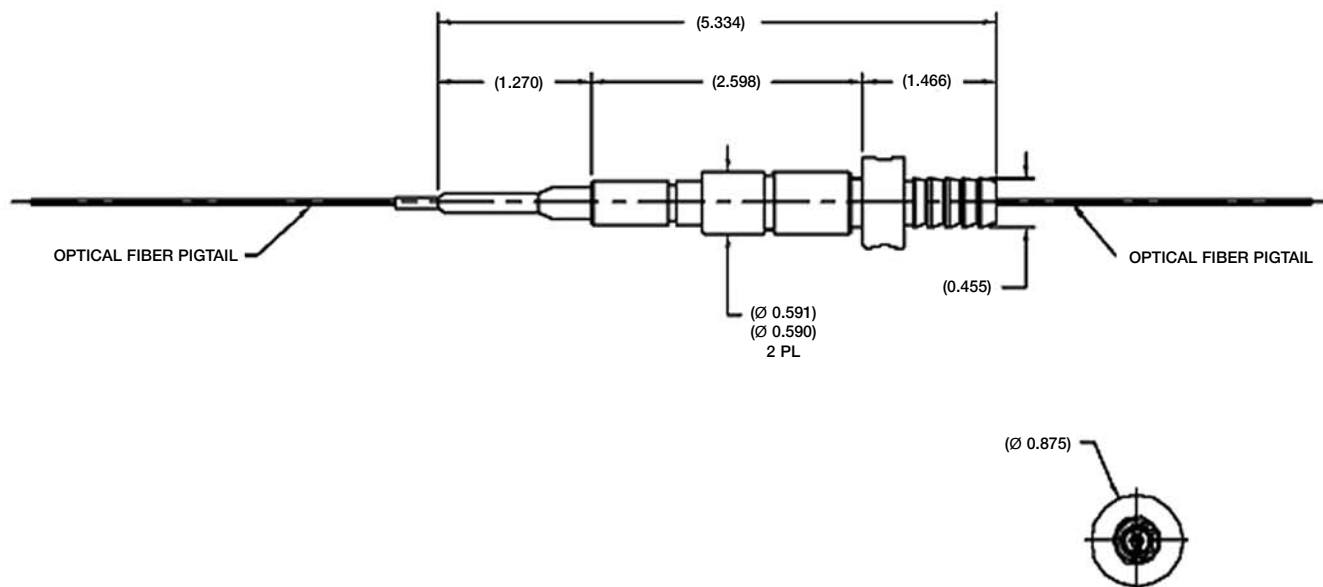
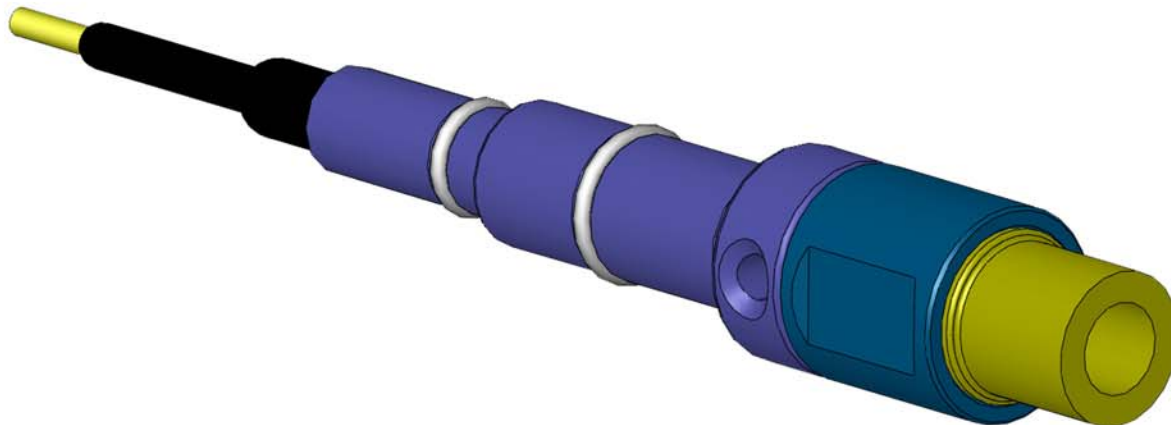
AR	NEOPRENE CABLE TYPE AND LENGTH TO BE SPECIFIED BY CUSTOMER
11 AR	OVERMOLD
10 AR	5108-106-H
9 1	79136
8 1	15789
7 1	02697
6 1	02697
5 1	15789
4 1	02697
3 1	15789
2 AR	15789
1 AR	15789

ORIGINAL JOB NO. 15789		DATE 9/708/29	
APPROVALS DRAWN: J.B.P. AT ENGR: K.M.N.		DATE 9/708/29	
PARTS LIST SEASON ⑥		1-14 PENETRATOR & ASSY	
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REF DATA PART NO.		THIRD ANGLE PROJECTION	
SIZE C		FROM NO. 15789	
SCALE 1/1		SHEET 1 OF 1	

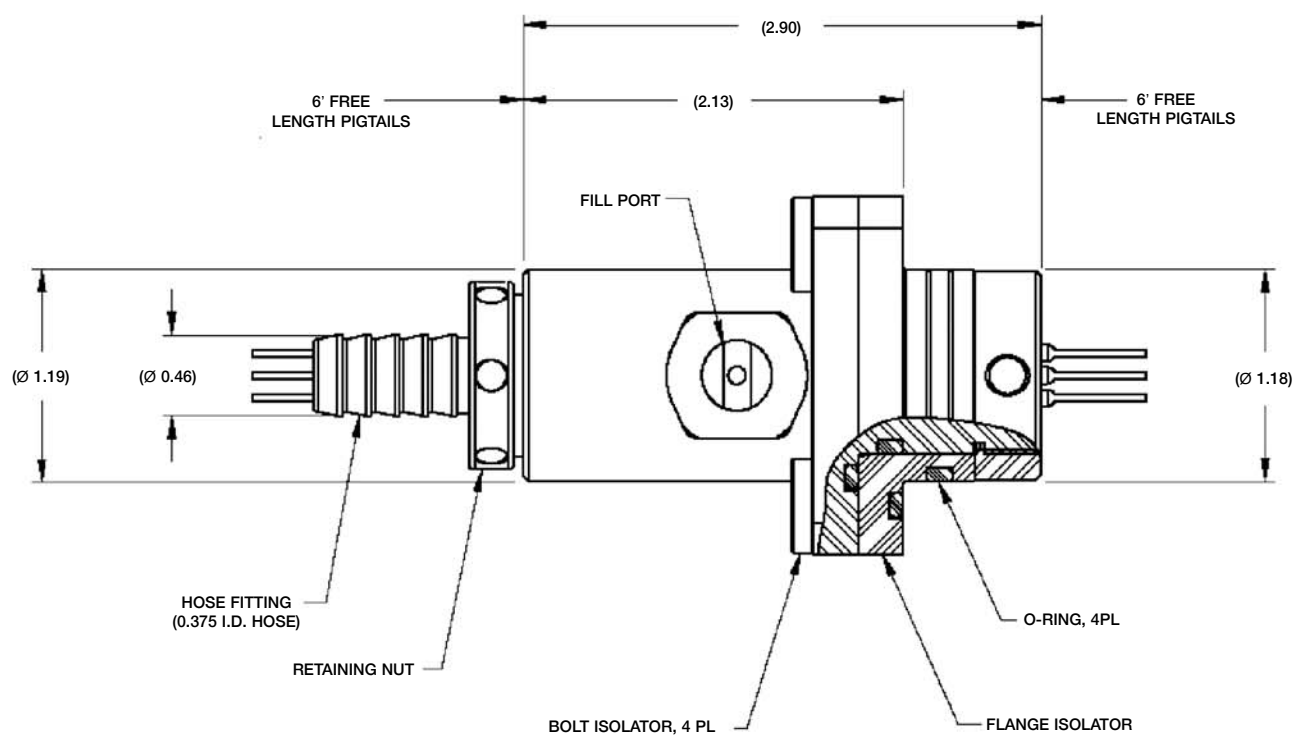
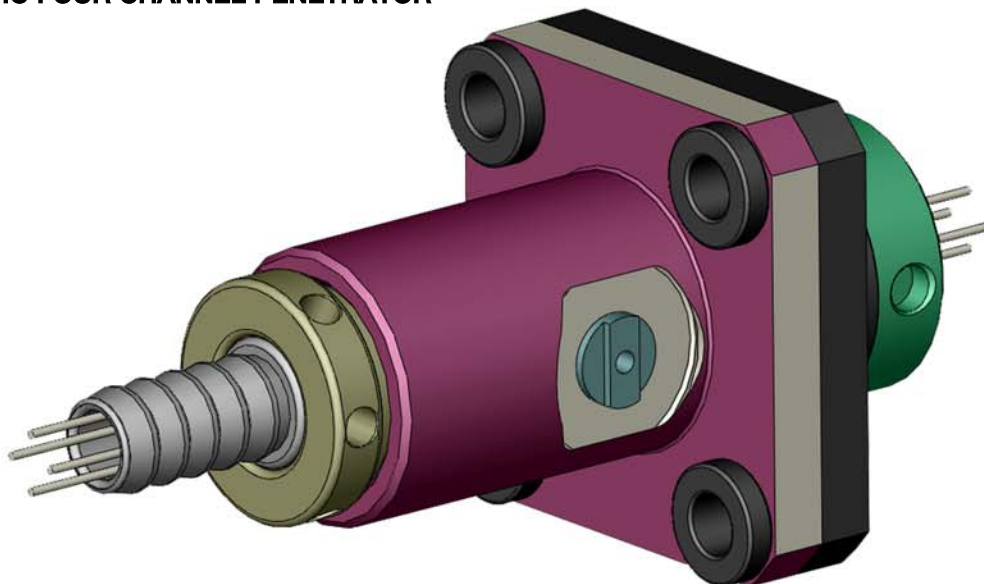




PENETRATOR SERIES
FIBER OPTIC SINGLE PENETRATOR



PENETRATOR SERIES
FIBER OPTIC FOUR CHANNEL PENETRATOR



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SPECIAL ASSEMBLIES

SEACON maintains all facilities necessary to furnish complete under-water and environmental electrical connector/cable systems, including Research and Development, Engineering, Manufacturing, Quality Control and Pressure Testing. As well as supplying our standard 'off-the-shelf' items, we have the capability to design and manufacture SPECIAL CUSTOMIZED CONNECTORS AND CABLE ASSEMBLIES to suit your individual needs.

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