

# Teledyne AG Geophysical

## Product Selection Guide

INTERCONNECT bulkhead, inline

TRANSDUCERS depth, pressure

FIRING CABLES for small, medium and large sound sources

HYDROPHONES calibrated, uncalibrated



Image courtesy of PGS



**TELEDYNE**  
AG GEOPHYSICAL PRODUCTS  
Everywhereyoulook™



is a product line of



## Complementary Teledyne Marine Product Lines



Submersible Connectors and Marine Seismic Source Management Systems



Cable Assemblies and Harnesses for Harsh Environments



Erosion/Corrosion Monitoring Pressure and Temperature Sensing



High Pressure/High Temperature Electrical and Optical Interconnect Glass-to-Metal Seal Technology



Harsh Environment Electrical and Optical Interconnect



Subsea Interconnect and Data Networking







## Teledyne Marine: RELIABLE POWER TRANSMISSION, DATA TRANSMISSION, NEW PRODUCT DEVELOPMENT AND SENSING SOLUTIONS FOR HARSH ENVIRONMENTS



Teledyne Marine is a growing consortium of premium undersea technology product line organizations assembled by Teledyne Technologies to address the current and future needs of the offshore, oceanographic, and defense markets. Teledyne Marine brings access to these premium technologies and world class support to the oil and gas business, providing beneficial synergies to customers and end users.

### BENEFITS & VALUE

- Health, Safety & Environmental (HSE) culture
- Innovative engineered solutions
- Aerospace levels of reliability
- Materials science & certification expertise
- Instrumentation integration
- Global manufacturing centers
- Rapid response global field support
- Integrated team support: A single purchase order, set of terms & focused contact
- Security of supply

### ENGINEERED SOLUTIONS

- Electrical and optical distribution systems
- Power and data transmission networking interconnection systems
- Wellhead feed-through systems
- Corrosion and erosion sensing and monitoring networks
- Turn-key sensor interconnect assembly solutions
- Subsea engineering
- Application-focused new product development with systems and material reliability expertise
- Ruggedized harsh environment cable assemblies
- High pressure, high temperature (HP/HT) penetrations and feed-throughs for differential pressure
- High power connection systems



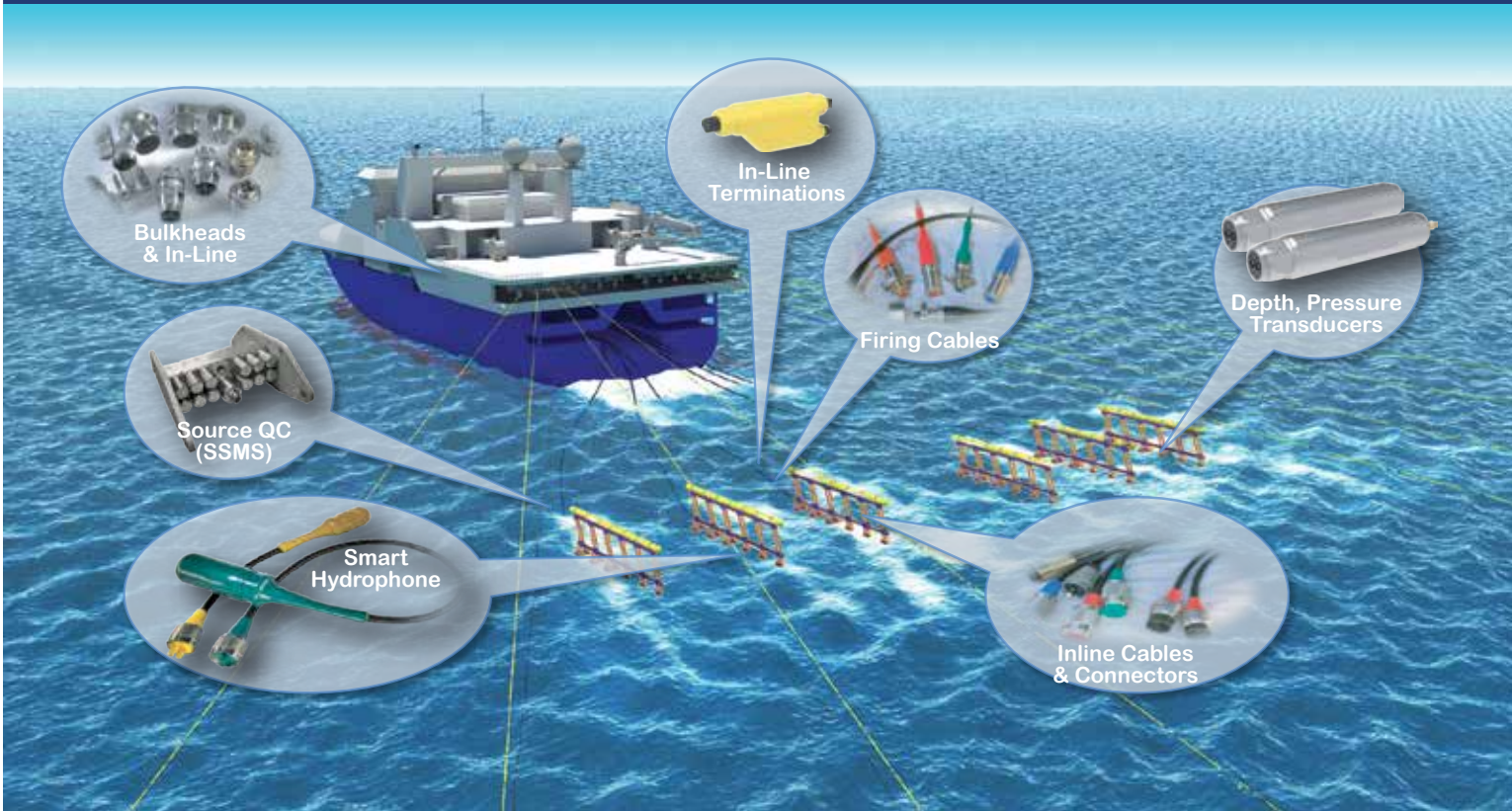
Teledyne AG Geophysical Products: **SUPPLYING MISSION CRITICAL SYSTEMS TO THE OIL & GAS PRODUCTION INDUSTRY**



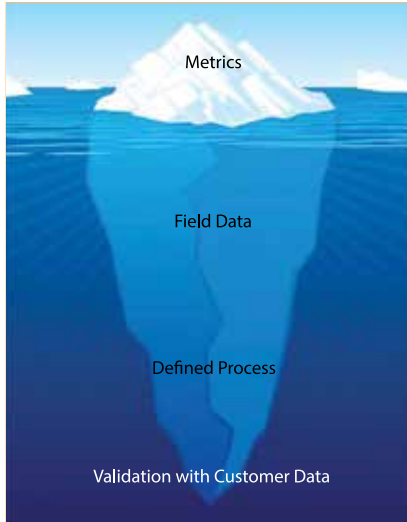
AGG supplies the world's marine seismic fleet with ruggedized submersible connectors and marine seismic source management systems engineered for reliable performance in the harshest of ocean conditions. Precision machining capabilities with proven production and quality processes deliver ruggedized performance survivability in repetitive high shock and shallow water sealing applications in the toughest deployment and retrieval scenarios.

**TELEDYNE**  
AG GEOPHYSICAL PRODUCTS  
Everywhereyoulook™

**Marine Seismic Source Management  
Components & Systems for Extreme  
Environment Survivability**



# TMarine Reliability: RELIABILITY PROGRAM



Teledyne Marine products operate in environments that are difficult or impossible to access, meaning that to our customers, having the peace of mind that equipment won't fail is paramount. From the start of product development, through the first deployment, and continuing for the life of the product, reliability is a primary focus at Teledyne Marine.

Having internal metrics is just the tip of the iceberg. Dedicated Reliability Engineers at Teledyne Marine gather and analyze field data from customer deployments and continuously validate the results. This process is what sets Teledyne Marine apart from the rest.

**PHYSICS**

Depolymerization (Decrease in Mw)

Molecular Structure Analysis

**METALLURGY**

Micro Structure Analysis

**MATERIALS**

Material Testing and Examination

**COMPONENTS**

Contact Level Stress Analysis

**PRODUCTS**

Connector Level Accelerated Testing

**CUSTOMER SYSTEMS**

Reliability Partnerships

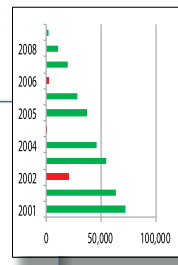
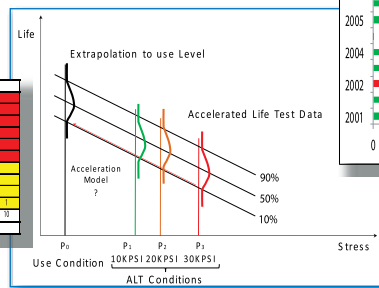
SCIENCE

ENGINEERING

CUSTOMERS

A defined set of tools and processes guide TOG's Reliability Program.

		FAILURE MODES									
		MECHANICAL					ELECTRICAL				
OCCURRENCE	SEVERITY	10	9	8	7	6	10	9	8	7	6
		10	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	1	1	1	1	1	
6	1	1	1	1	1	1	1	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	
4	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	
2	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	



- Finite Element Analysis
- Operational Study
- FRACAS – Root Cause Analysis
- Design Validation Testing
- Qualification Testing
- Accelerated Aging
- Reliability Assurance Plan
- FMECA (D, P & O)
- Block Diagram Analysis
- Design of Experiments
- Fault Tree Analysis
- Weibull Analysis



## TMarine Quality: **TELEDYNE MARINE IS COMMITTED TO SAFELY PROVIDING PRODUCTS AND SERVICES OF THE HIGHEST INTEGRITY AND RELIABILITY.**



### QUALITY ASSURANCE

The Quality System includes the appraisal and assessment of component and part quality using sophisticated measurement systems. The product is manufactured, tested and inspected under the control of a high-level factory management system with full material and operational traceability.





















### FACTORY ACCEPTANCE TESTING

Final product acceptance testing includes functioning within simulated operating conditions using computerized data acquisition of pressure profiles and circuit performance measurements. The data is maintained both electronically and on hard copy for availability upon customers' requests.














# Table of Contents

Connector colors.....	8
<b>AGM</b>	
<b>Inline</b> .....	<b>9-11</b>
 Standard <i># of pins: 2, 4</i>	
 Water-Blocked <i>2, 4</i>	
 Dummy Plug <i>2, 4</i>	
<b>Bulkhead</b> .....	<b>12-16</b>
 NPT <i>2, 4</i>	
 Flangemount <i>2, 4</i>	
 Straight-Thread <i>2, 4</i>	
 Straight-Thread X <i>2, 4</i>	
Recommended Panel Holes	
<b>AGMU</b>	
<b>Inline</b> .....	<b>17</b>
 Standard <i>2, 4</i>	
<b>AGP</b>	
<b>Inline</b> .....	<b>18-22</b>
 Standard <i>2, 4, 8</i>	
 Water-Blocked <i>2, 4, 8, 16</i>	
 Dummy Plug <i>2, 4, 8, 16</i>	
<b>Bulkhead</b> .....	<b>23-32</b>
 NPT: <i>3/4" 2, 4    1" 8    1-1/4" 16</i>	
 Flangemount <i>2, 4, 8</i>	
 Straight-Thread: <i>1-1/16" 2, 4    1-5/16" 8    1-5/8" 16</i>	
 Straight-Thread X: <i>1-1/16" 2, 4    1-5/16" 8</i>	
Recommended Panel Holes	
<b>AGPU</b>	
<b>Inline</b> .....	<b>33</b>
 Standard <i>2, 4</i>	
<b>AGC COAX</b>	
<b>Inline</b> .....	<b>34</b>
 50 ohm	
<b>Bulkhead</b> .....	<b>35</b>
 50 ohm	








## AGS ENERGY SOURCE

<b>Bolt Air Gun</b> .....	<b>36-38</b>
 2, 4	
 2, 4	
 4	
<b>Sleeve Air Gun</b> .....	<b>39-43</b>
 2	
 2	
 2	
 2	
 2	
<b>SSI "G", "GI" Air Gun</b> .....	<b>44-46</b>
 2	
 2	
 2	










## AGH TRANSDUCERS

<b>Depth</b> .....	<b>47</b>
 2	
<b>Pressure</b> .....	<b>48</b>
 2	

## AGH HYDROPHONES

<b>DC Coupled, Transformer Coupled</b> .....	<b>49-51</b>
	
<b>SmartPhone™</b> .....	<b>52-53</b>
	

## AGT TERMINATIONS

<b>Inline</b> .....	<b>54-59</b>
 Splice	 Double Drop
 Y-Takeout	 Heavy Duty Takeout
 Y-Drop	 Heavy Duty Takeout Round
<b>Terminations</b> .....	<b>60-62</b>
 Penta	
 7-Out	
 8-Out	

## AGC CABLE

Electrical, Coax.....	<b>63</b>
-----------------------	-----------

## MISCELLANEOUS


Caps, O-Rings, Washers.....	<b>64-65</b>
Field-Installables.....	<b>66</b>
Lube and Mating Instructions.....	<b>67-68</b>
Standard Specification for AG Connectors.....	<b>69</b>





# Connector Colors

AG connectors come in a variety of *standard* and *custom* colors.

## Standard Colors

	BLACK
	BLUE
	RED
	GREEN
	YELLOW
	ORANGE

## Custom Colors

	PURPLE
	GRAY

Connectors are manufactured in the *default* colors listed below, unless a specific color is requested when an order is placed.

## Default Colors

	AGM	BLACK
	AGMU	BLACK
	AGP	BLACK
	AGPU	BLACK
*	AGT	BLACK
*	AGH	BLACK
*	AGS	BLUE

## \* exceptions

AGH-7100-T	GREEN
AGH-7500-C, 7500-X	YELLOW
AGH-6202/4, HD-6402, 6632	ORANGE

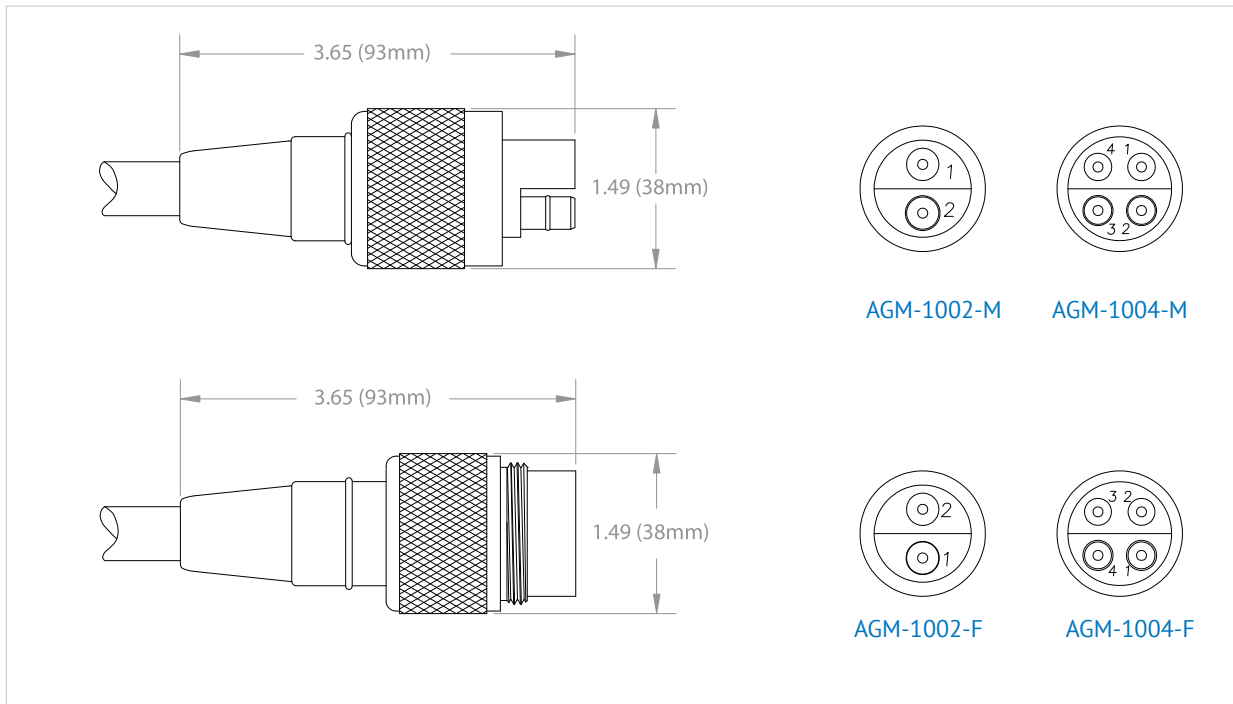




► **1000 Series**

**AGM** Marine Inline Connectors - Standard

AGM-1002 • AGM-1004

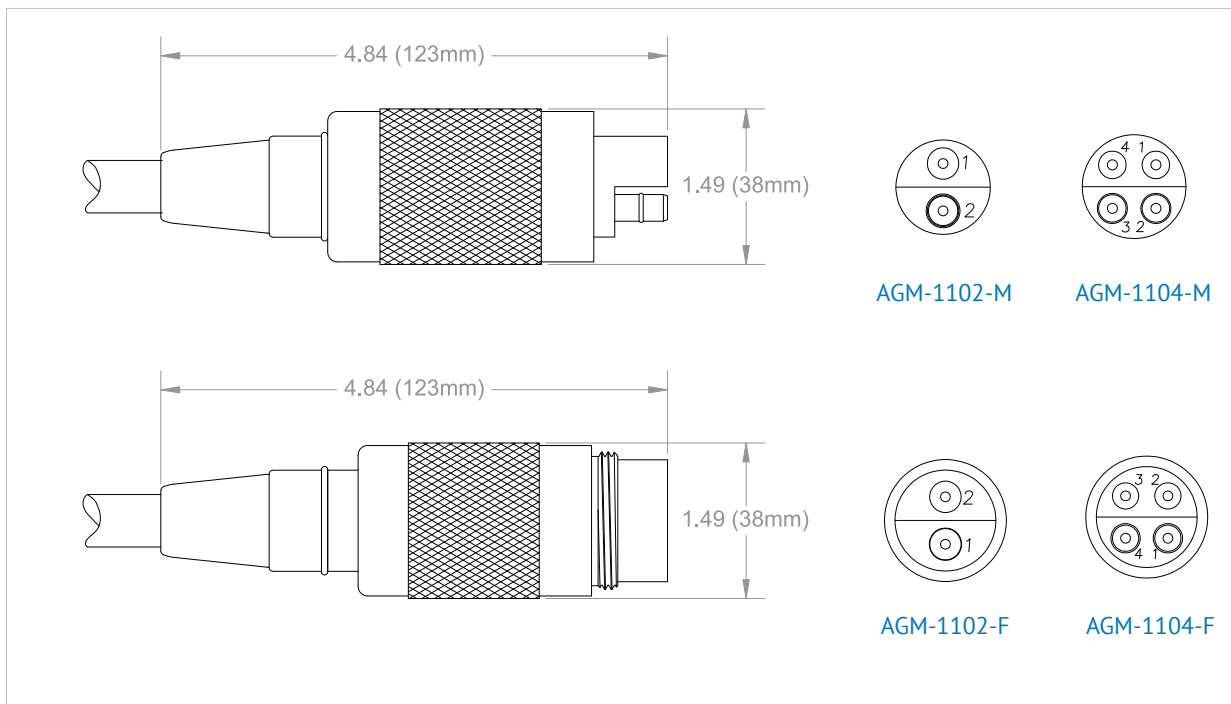




► **1000 Series**

**AGM** Marine Inline Connectors - Water Blocked

AGM-1102 • AGM-1104



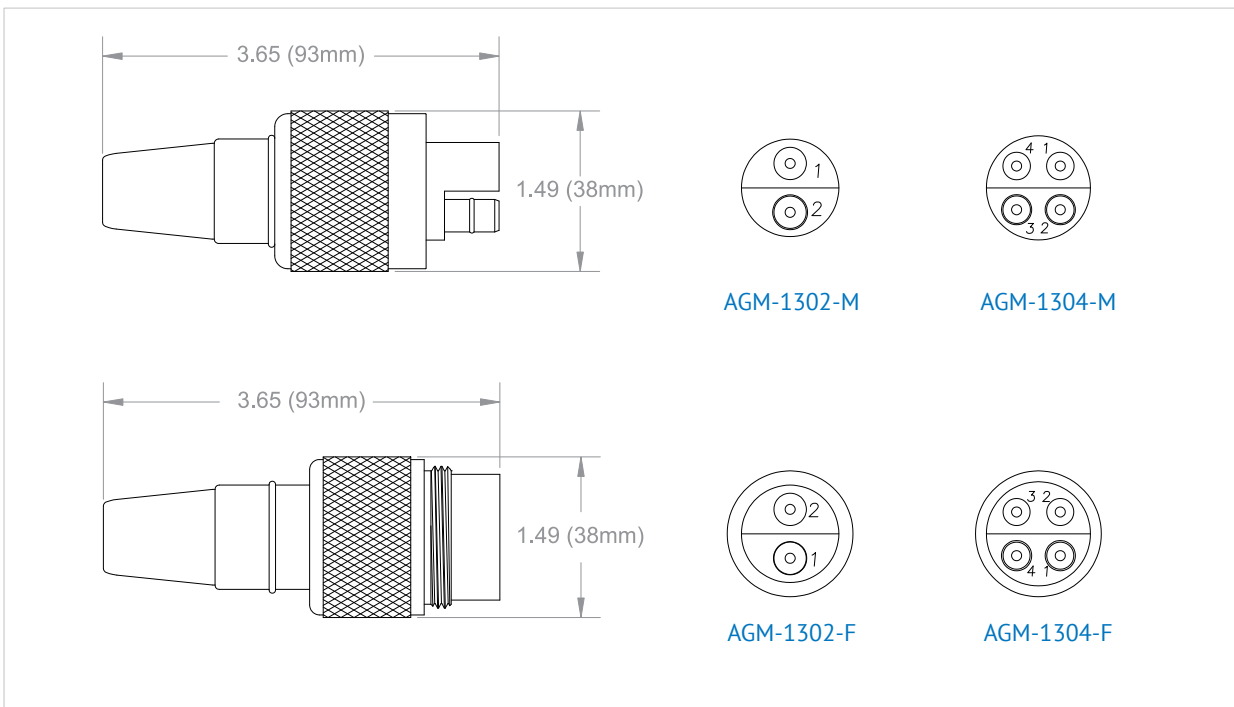




► 1000 Series

**AGM** Marine Dummy Plugs

AGM-1302 • AGM-1304

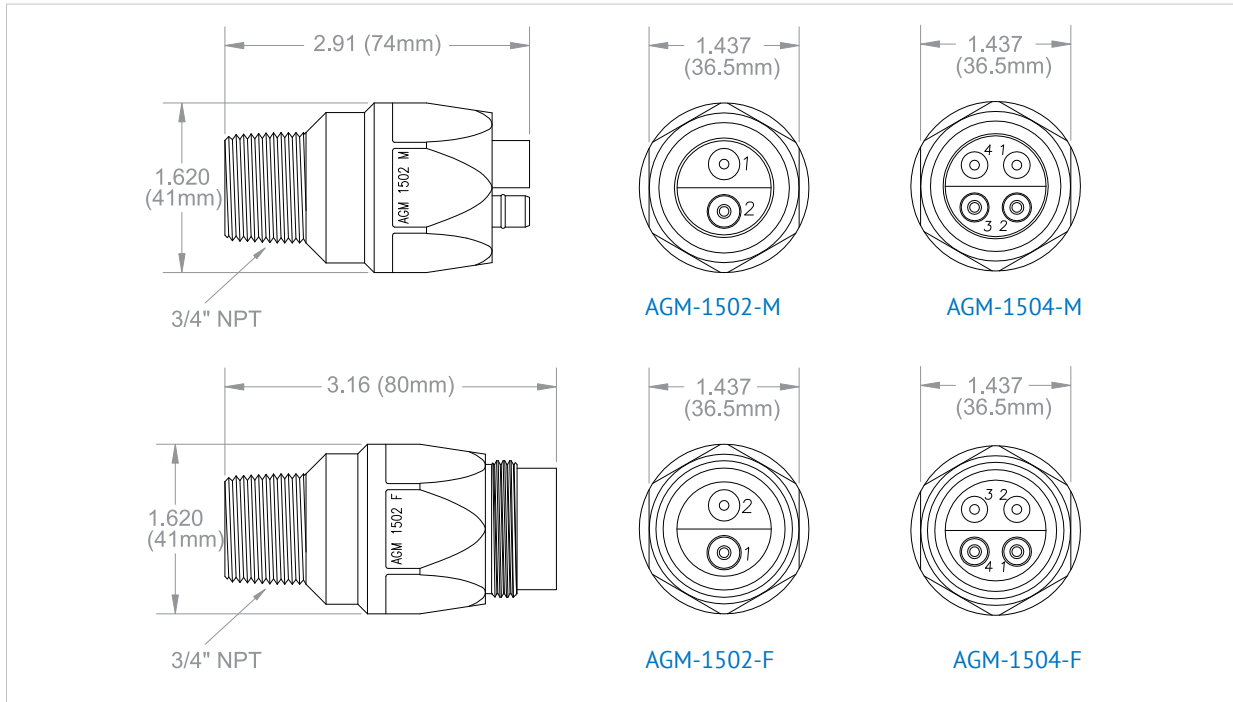




► **1000 Series**

**AGM** Marine Bulkhead Connectors - NPT Style

AGM-1502 • AGM-1504

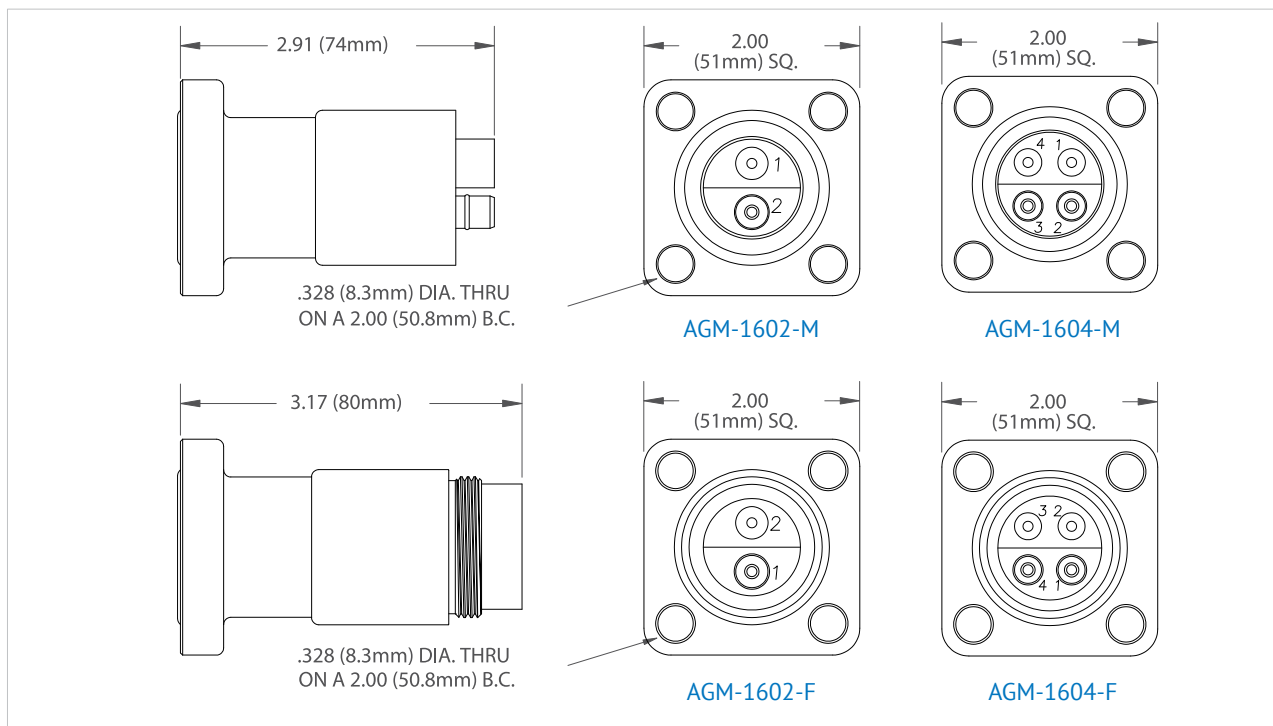




► 1000 Series

**AGM** Marine Bulkhead Connectors - Flangemount

AGM-1602 • AGM-1604



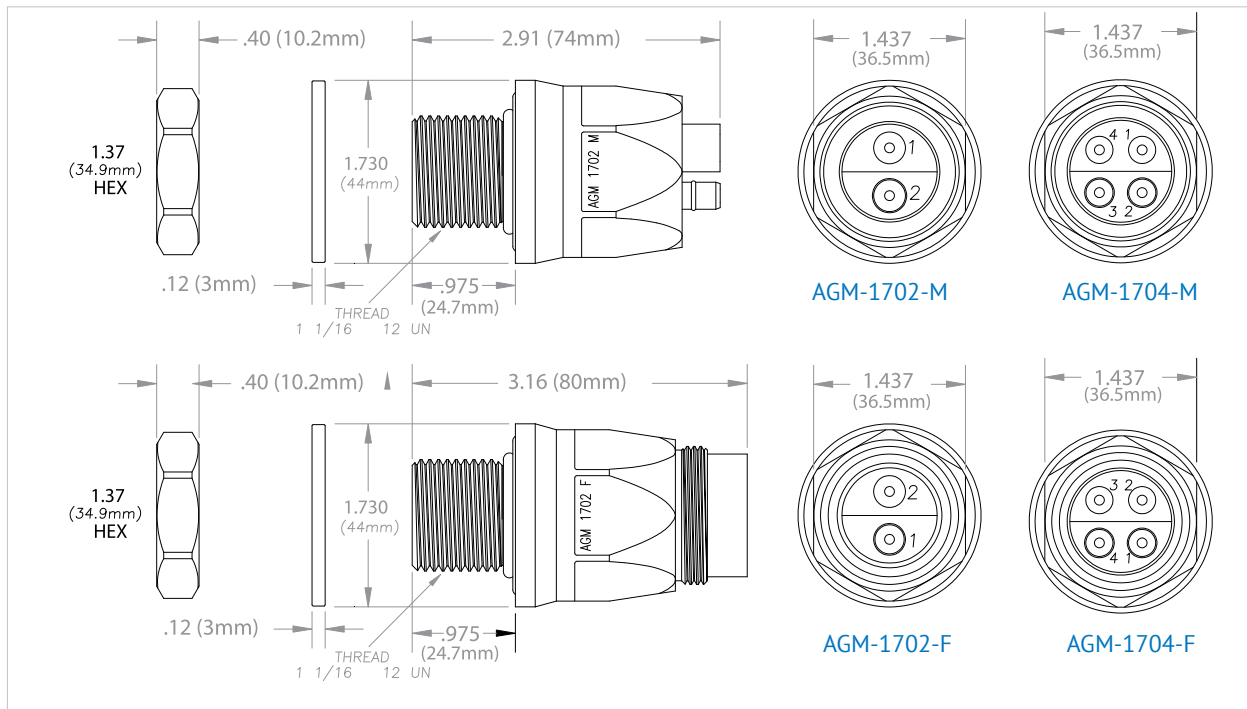




► 1000 Series

**AGM** Marine Bulkhead Connectors - Straight Thread

AGM-1702 • AGM-1704

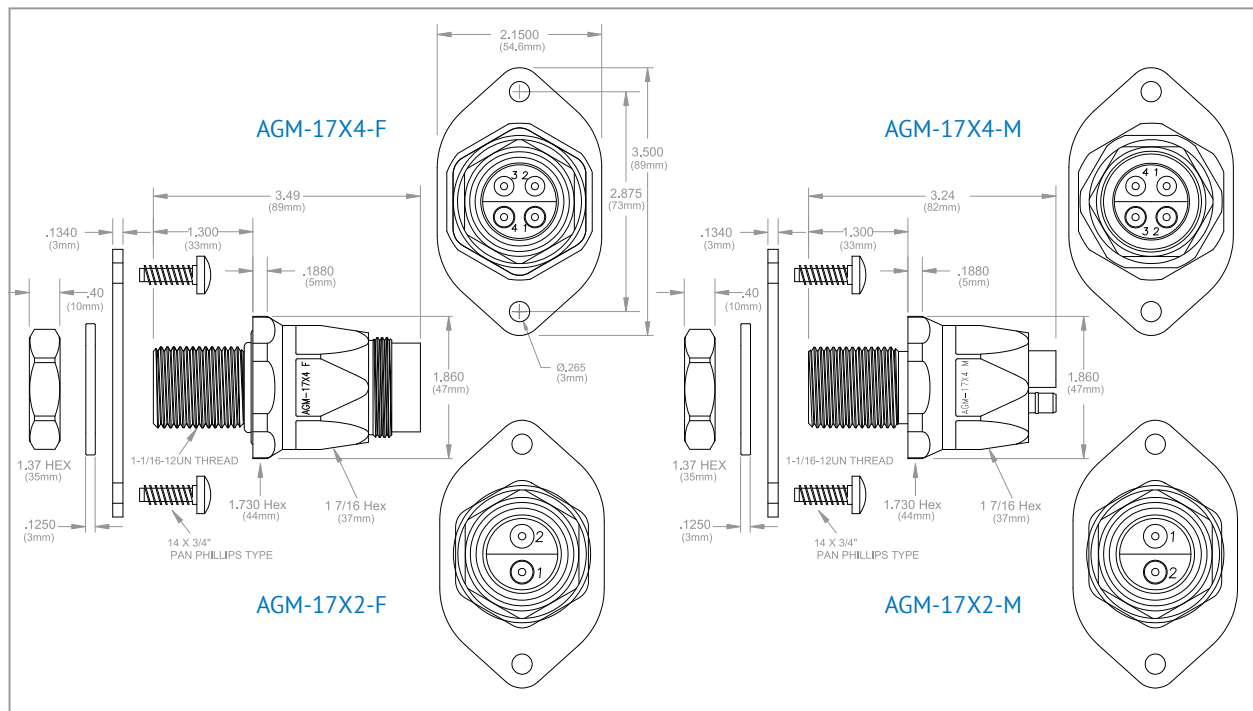




► **1000 Series**

**AGM Marine Bulkhead Connectors - Straight Thread / Flangelock**

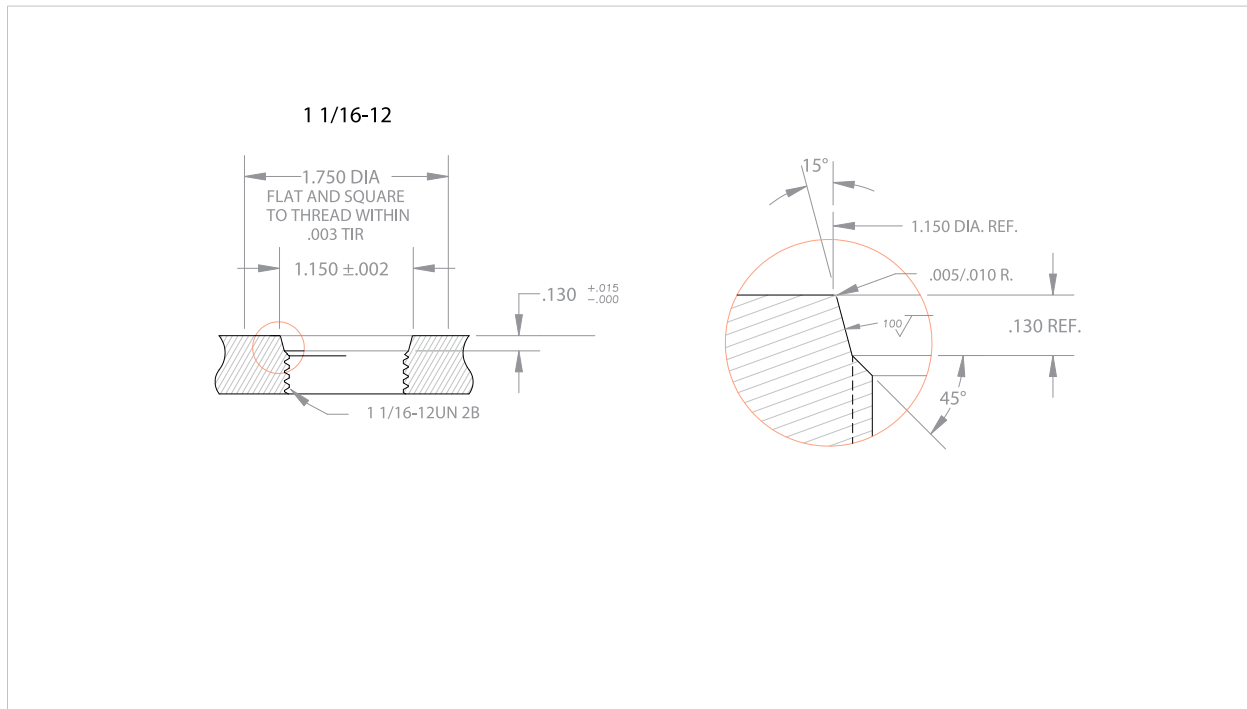
**AGM-17X2 • AGM-17X4**



► 1000 Series

## AGM Marine Bulkhead Connectors

### Recommended Panel Holes



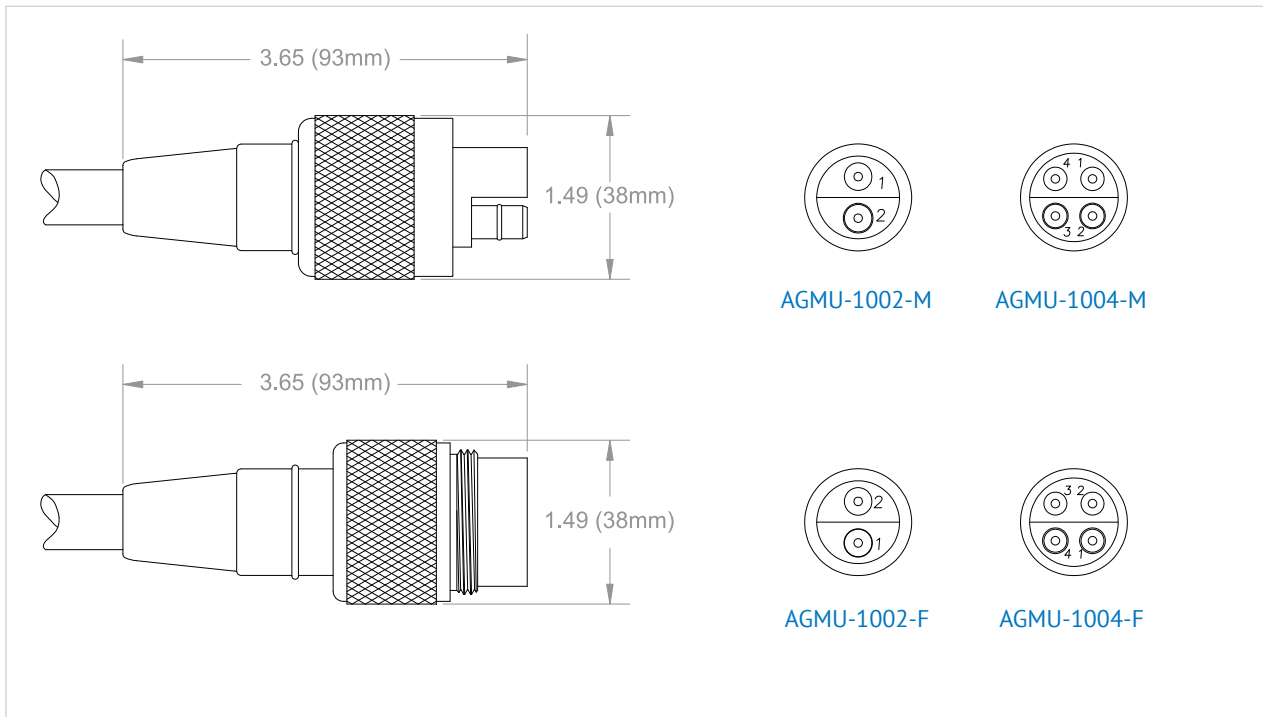




▶ **1000 Series**

**AGMU** Ultimate Marine Inline Connectors

AGMU-1002 • AGMU-1004

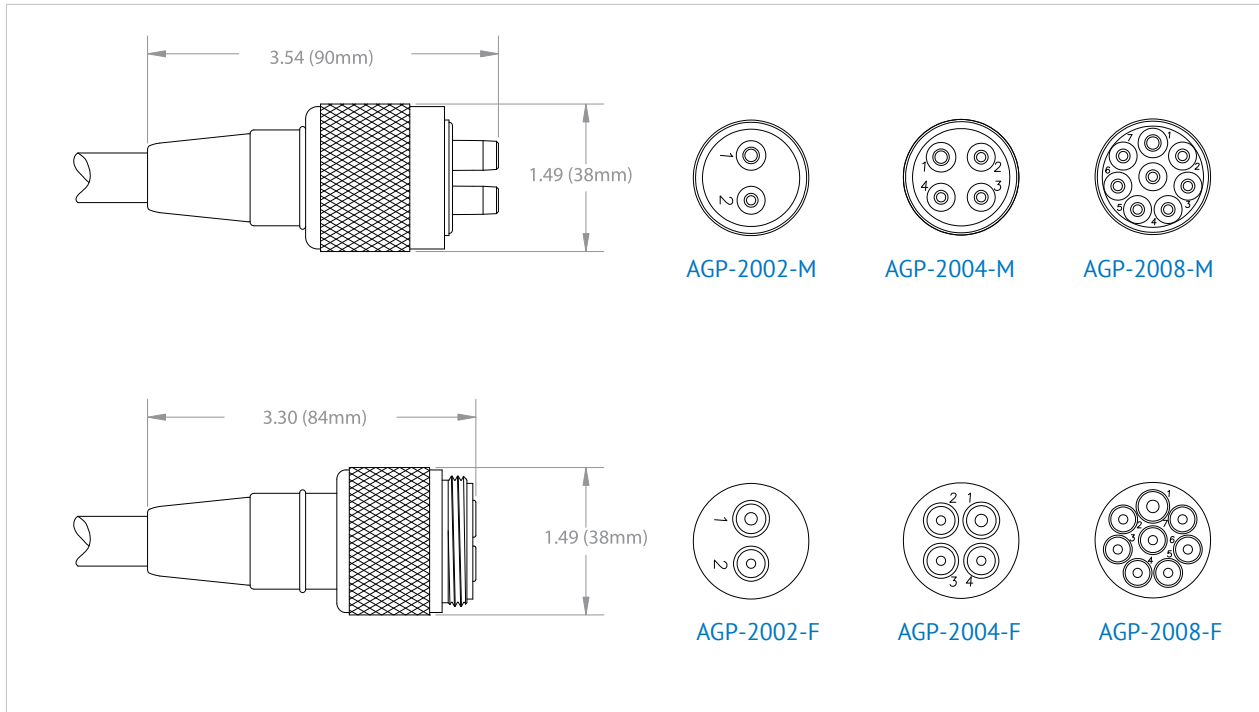




► **2000 Series**

**AGP Positive Inline Connectors - Standard**

AGP-2002 • AGP-2004 • AGP-2008

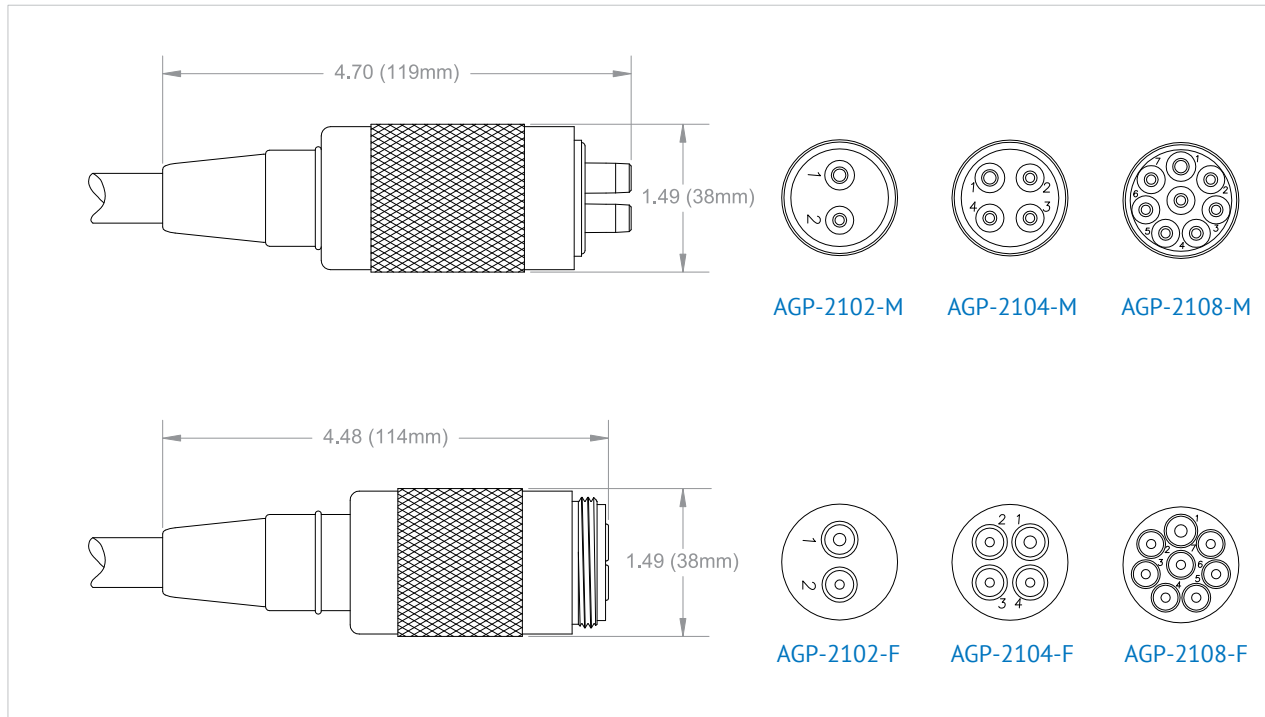




► 2000 Series

**AGP Positive Inline Connectors - Water Blocked**

AGP-2102 • AGP-2104 • AGP-2108

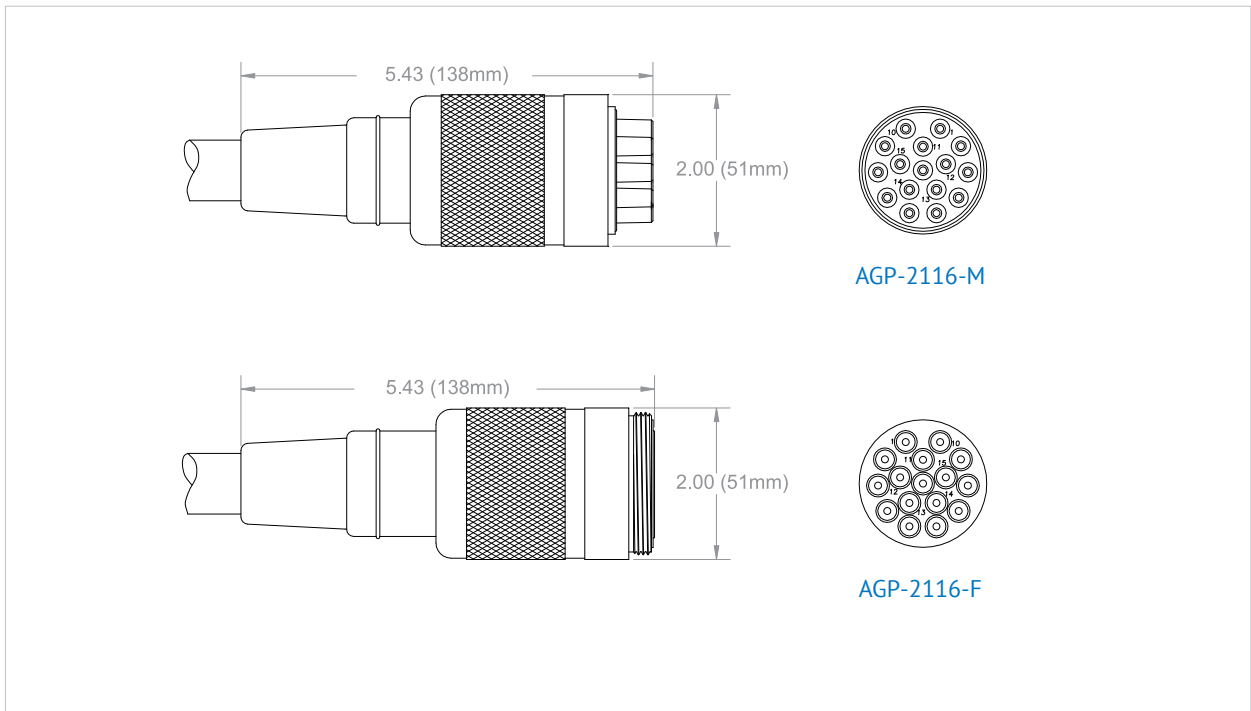




▶ **2000 Series**

**AGP** Positive Inline Connectors - Water Blocked

AGP-2116



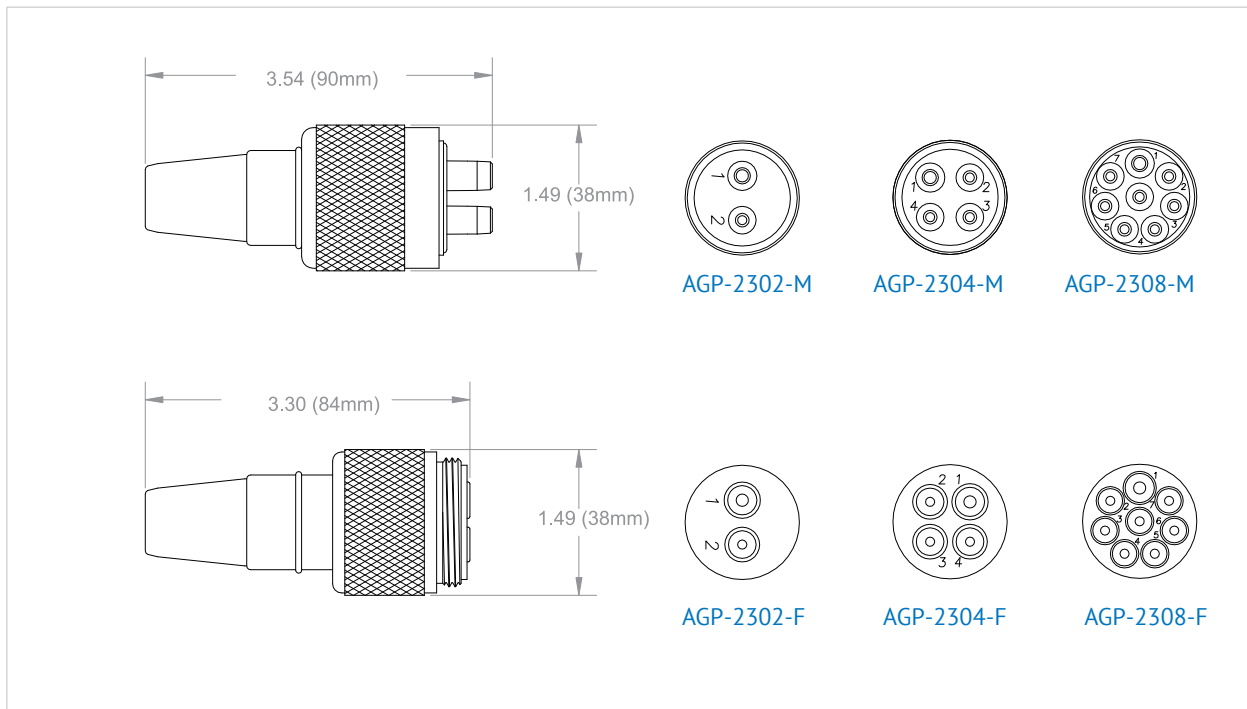




► **2000 Series**

**AGP Positive Dummy Plugs**

AGP-2302 • AGP-2304 • AGP-2308

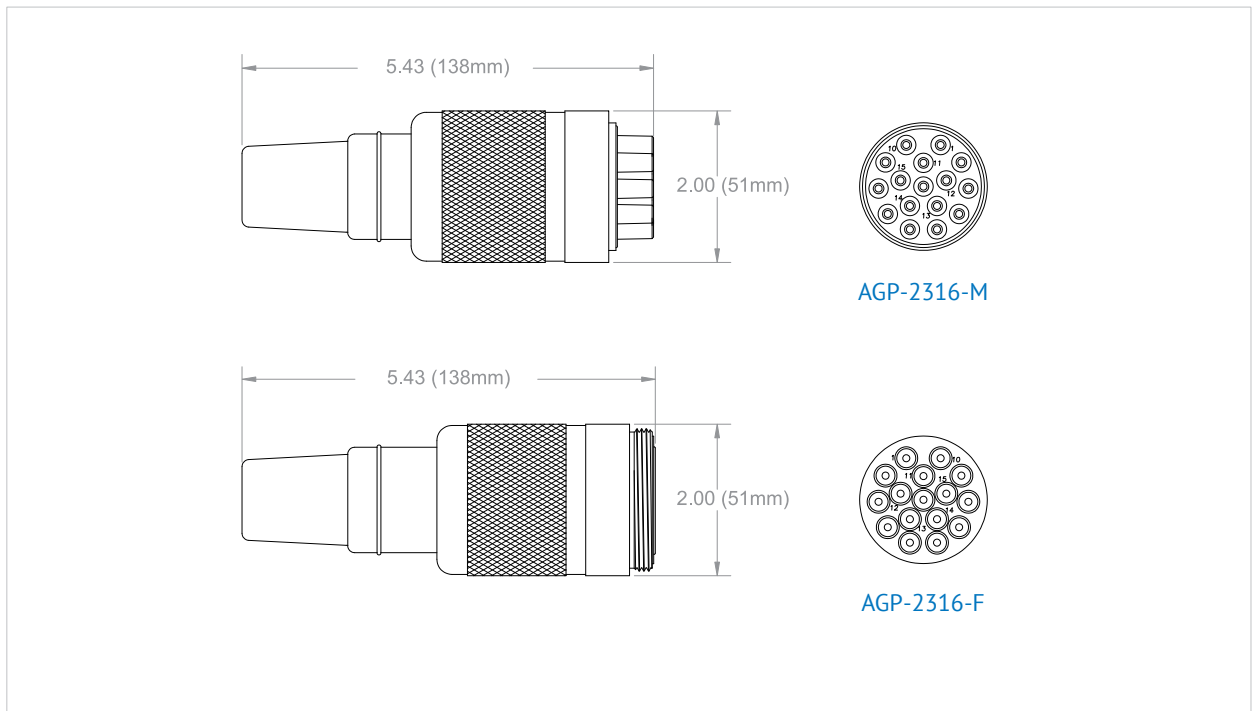




► 2000 Series

**AGP** Positive Dummy Plugs

AGP-2316

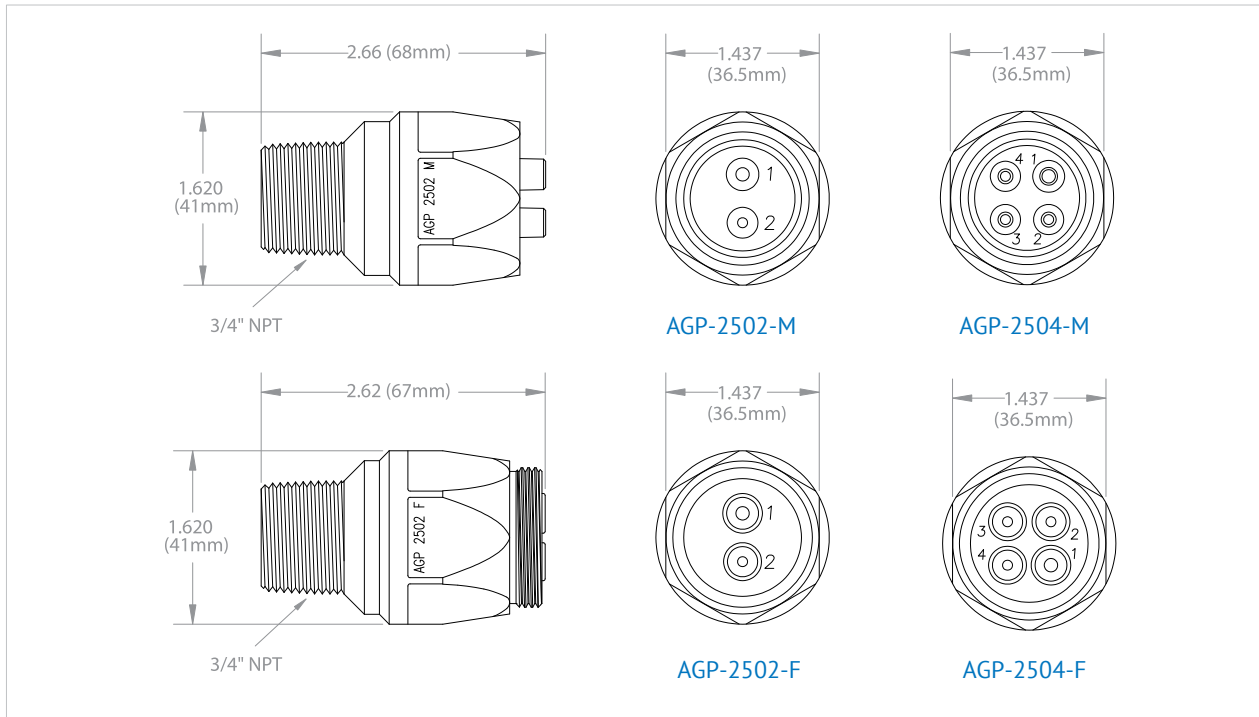




► 2000 Series

**AGP Positive Bulkhead Connectors - 3/4" NPT STYLE**

AGP-2502 • AGP-2504

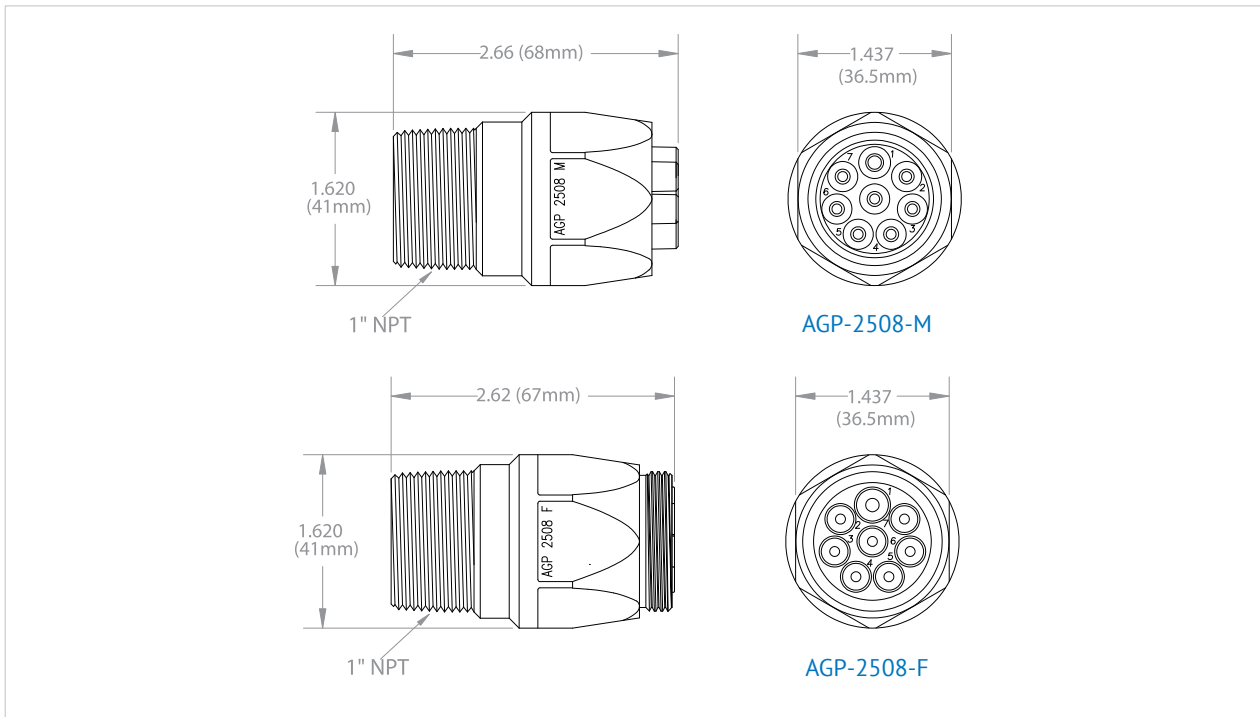




► **2000 Series**

**AGP Positive Bulkhead Connectors - 1" NPT STYLE**

AGP-2508



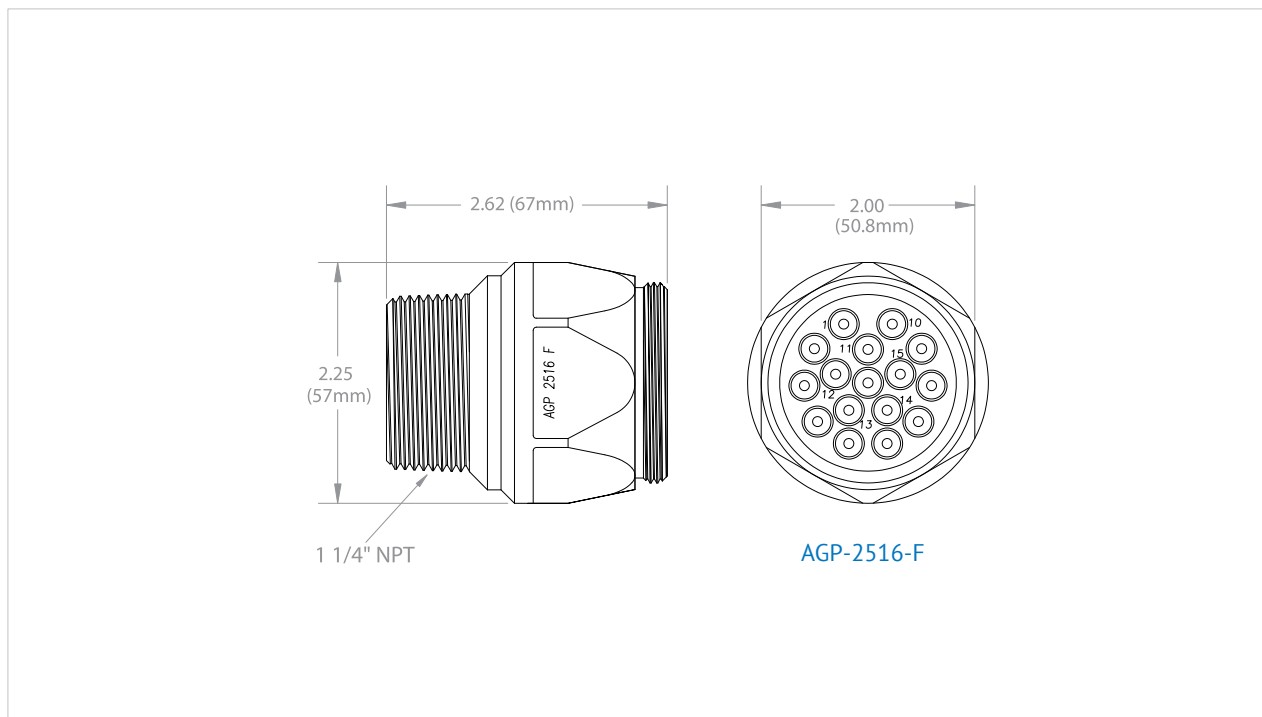




► 2000 Series

**AGP** Positive Bulkhead Connectors - 1 1/4" NPT STYLE

AGP-2516

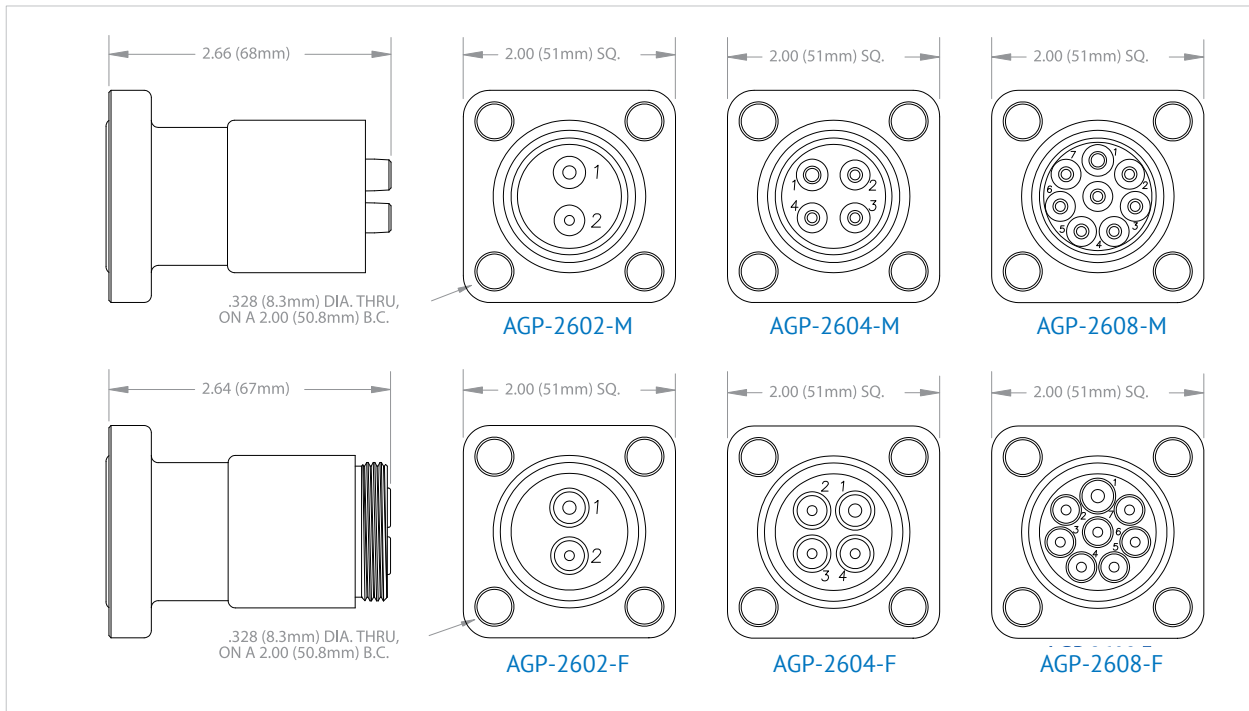




► 2000 Series

**AGP** Positive Bulkhead Connectors - Flangemount

AGP-2602 • AGP-2604 • AGP-2608

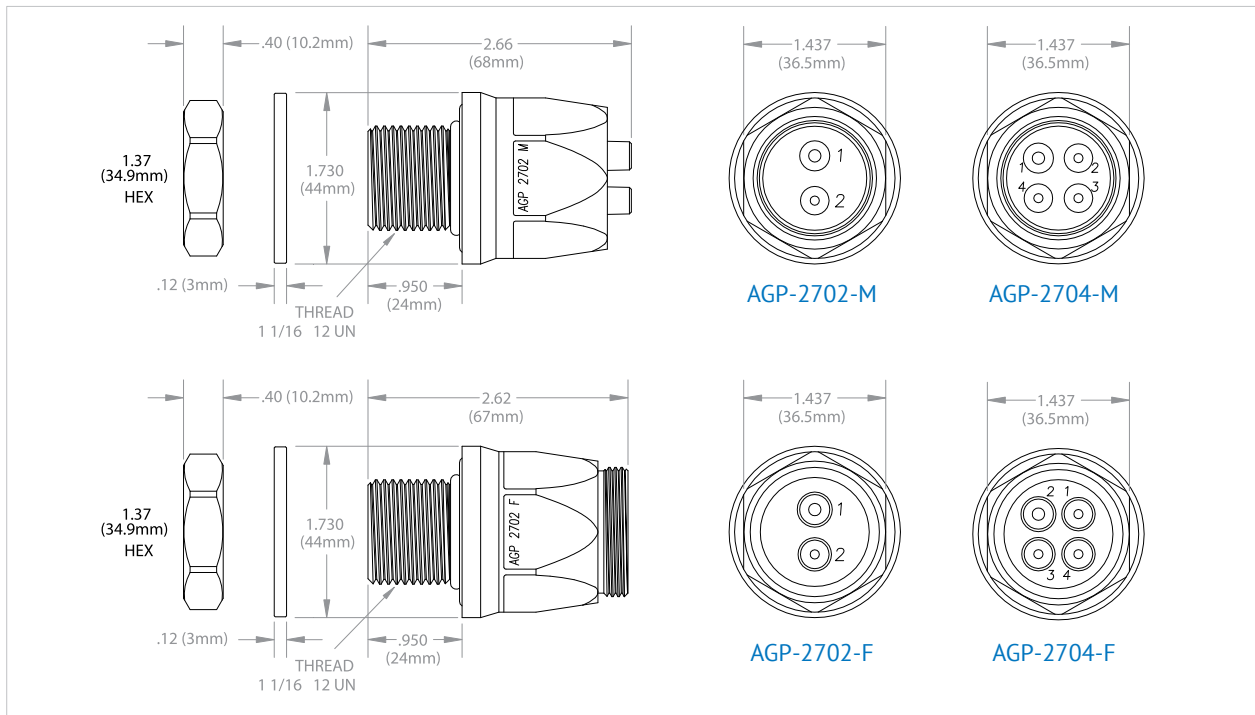




► **2000 Series**

**AGP Positive Bulkhead Connectors - 1 1/16" Straight Thread**

AGP-2702 • AGP-2704

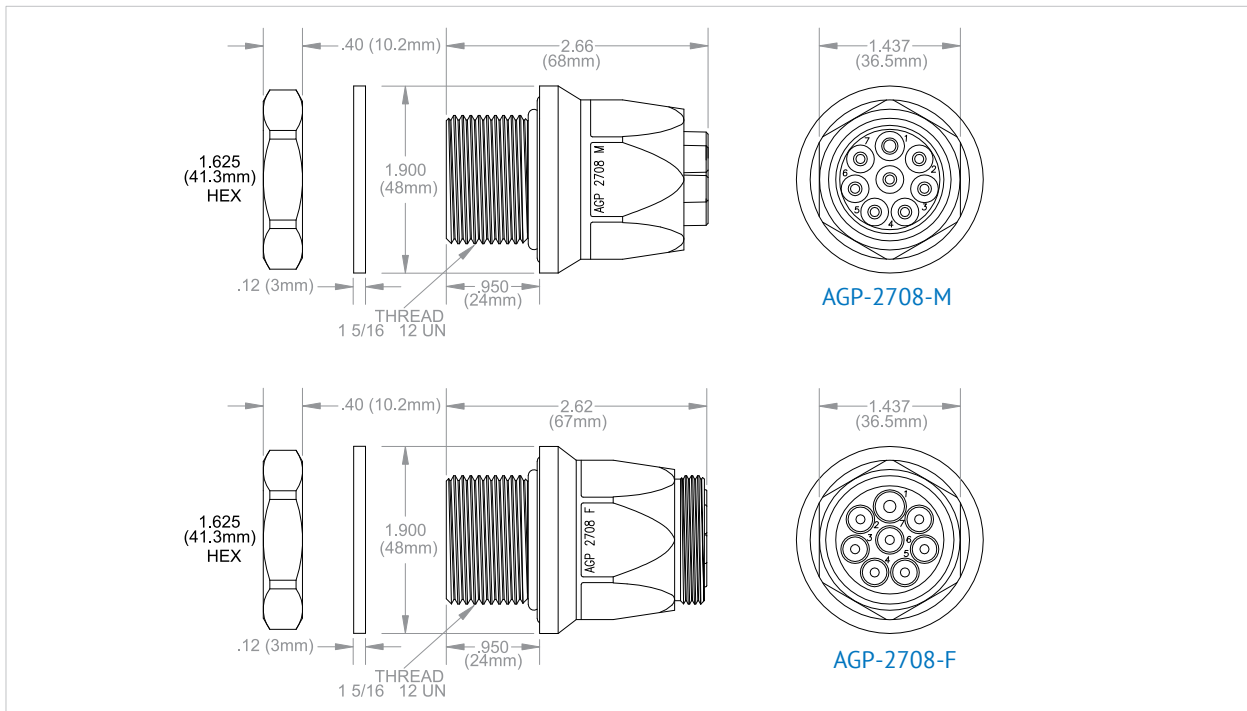




► **2000 Series**

**AGP Positive Bulkhead Connectors - 1 5/16" Straight Thread**

AGP-2708



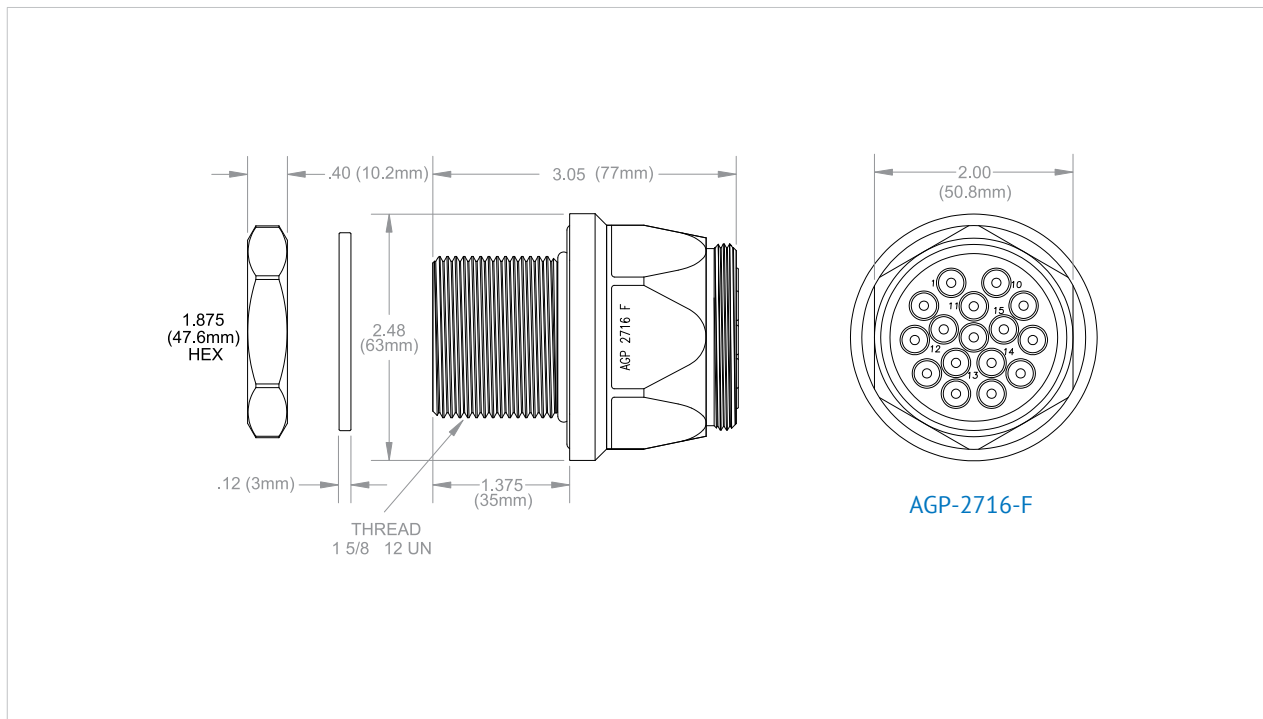




► **2000 Series**

**AGP Positive Bulkhead Connectors - 1 5/8" Straight Thread**

AGP-2716

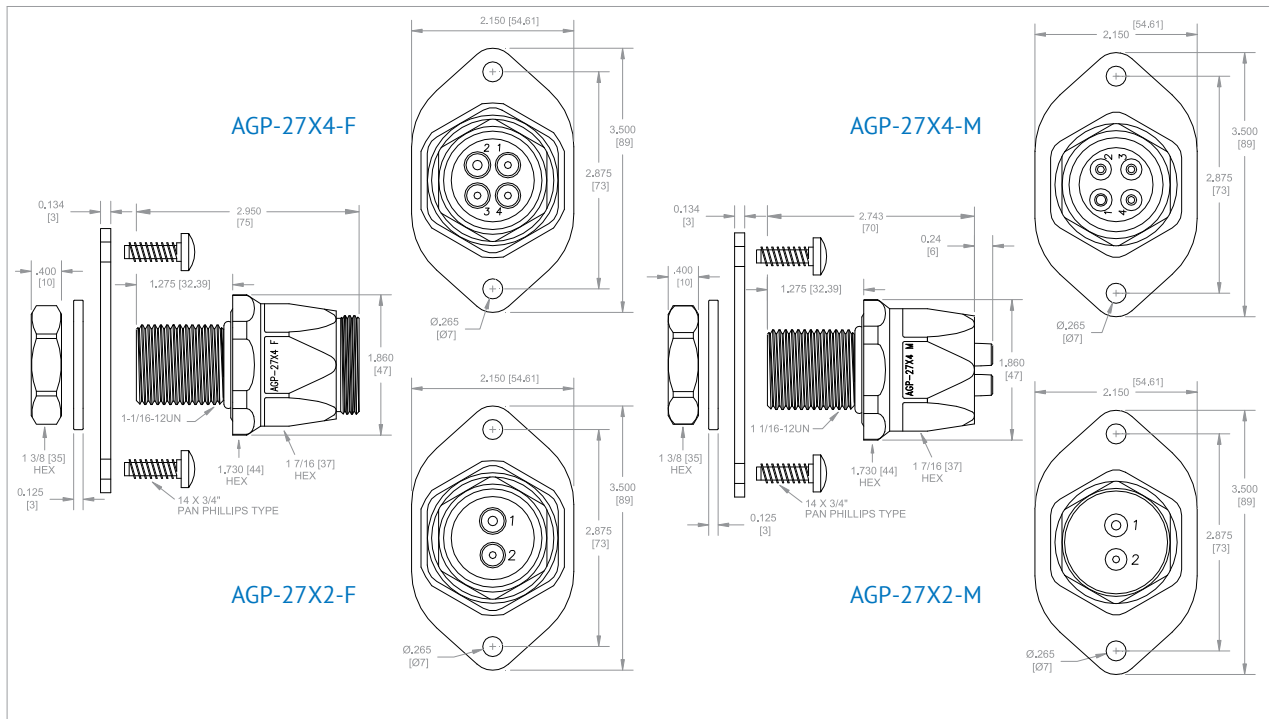




► 2000 Series

**AGP** Positive Bulkhead Connectors - 1 1/16" Straight Thread / Flangelock

AGP-27X2 • AGP-27X4

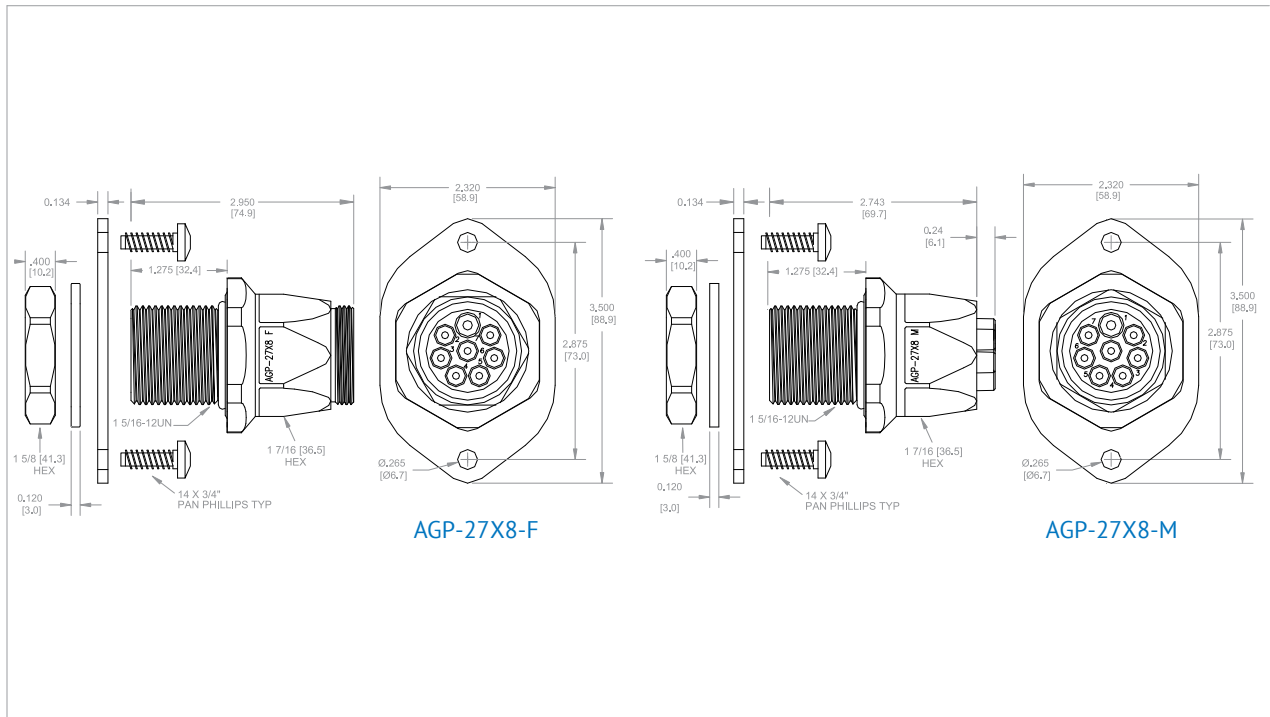




► 2000 Series

**AGP** Positive Bulkhead Connectors - 1 5/16" Straight Thread / Flangelock

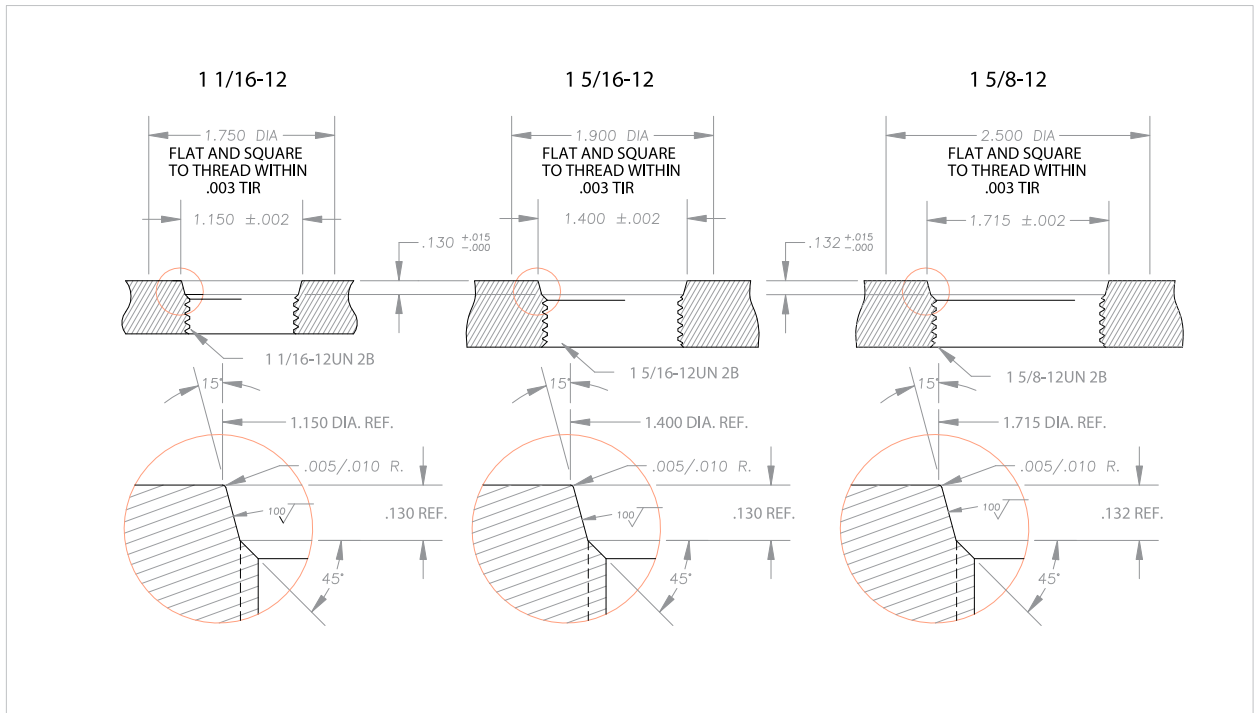
AGP-27X8



► 2000 Series

**AGP Positive Bulkhead Connectors**

Recommended Panel Holes

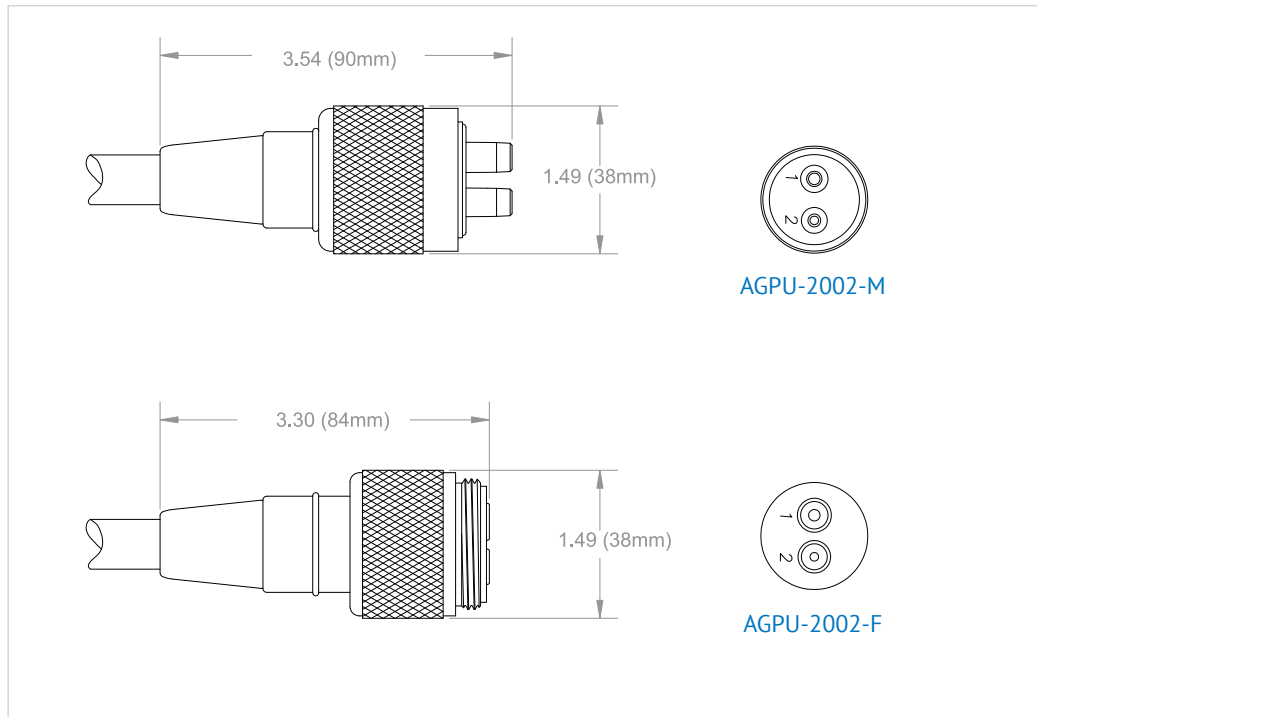




► 2000 Series

## AGPU Ultimate Positive Connectors

### AGPU-2002

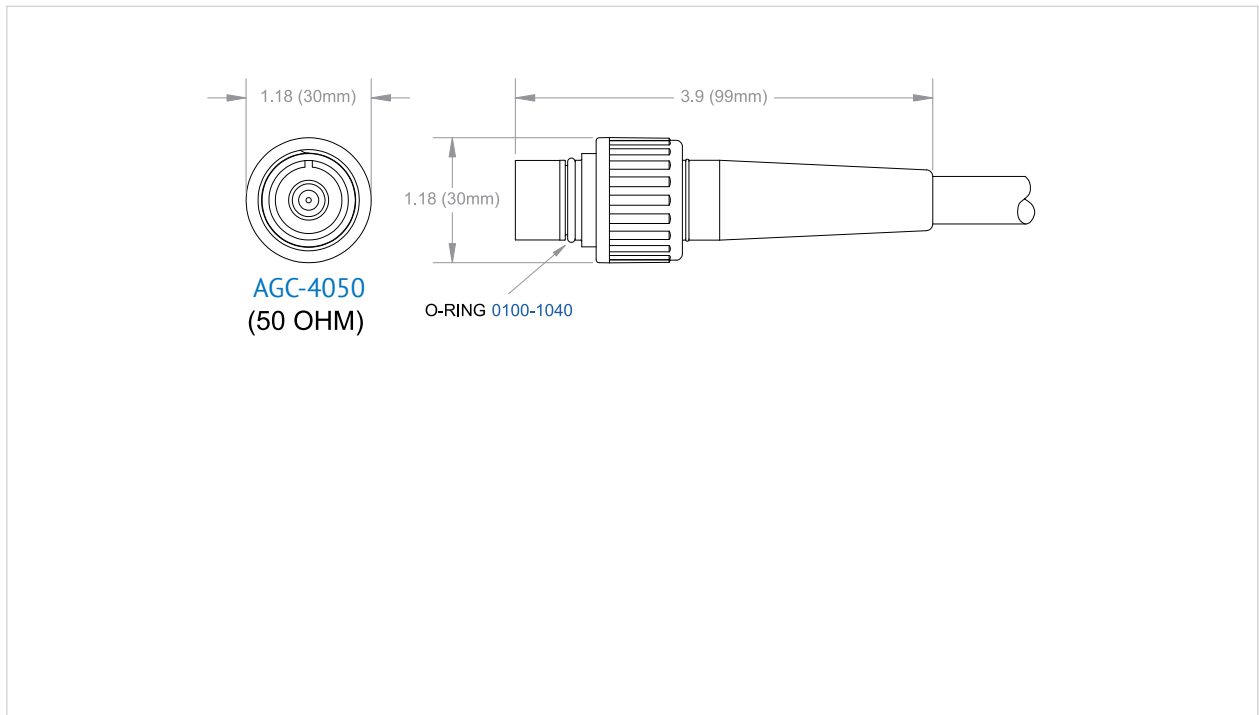


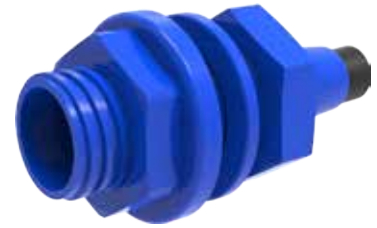


► 4000 Series

**AGC Coax - Inline**

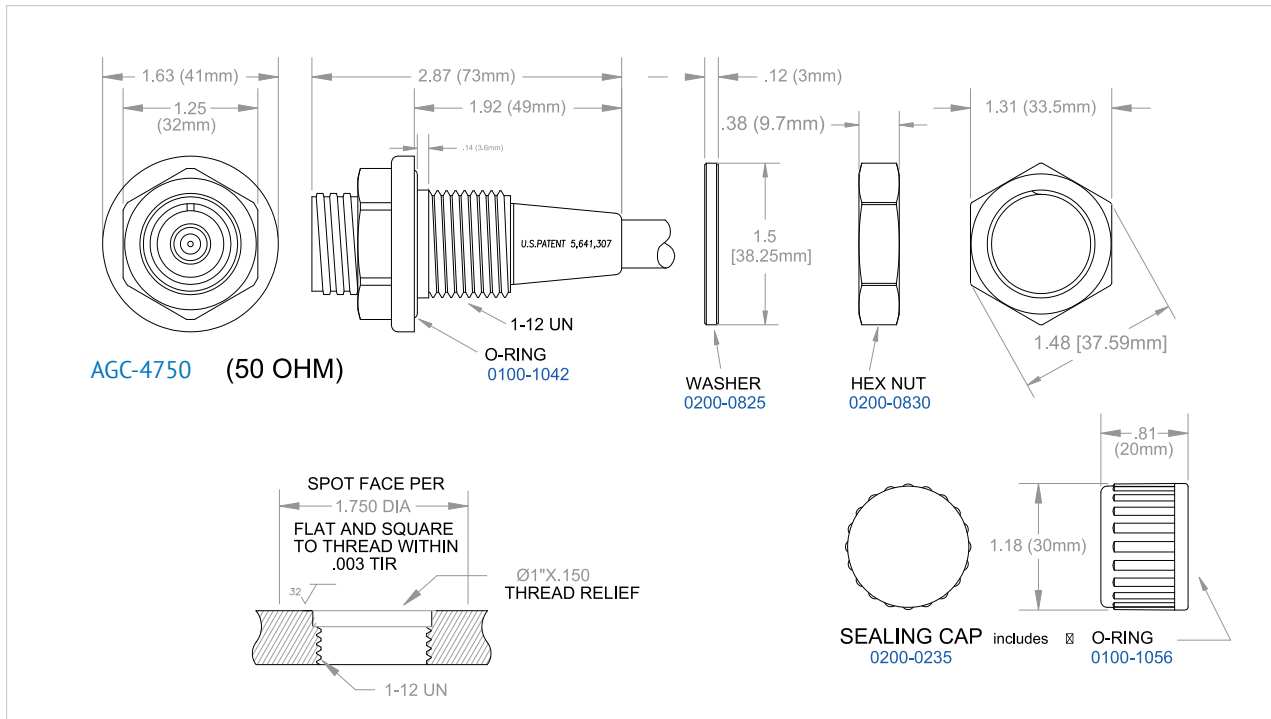
AGC-4050





► **4000 Series**  
**AGC Coax - Bulkhead**

**AGC-4750**

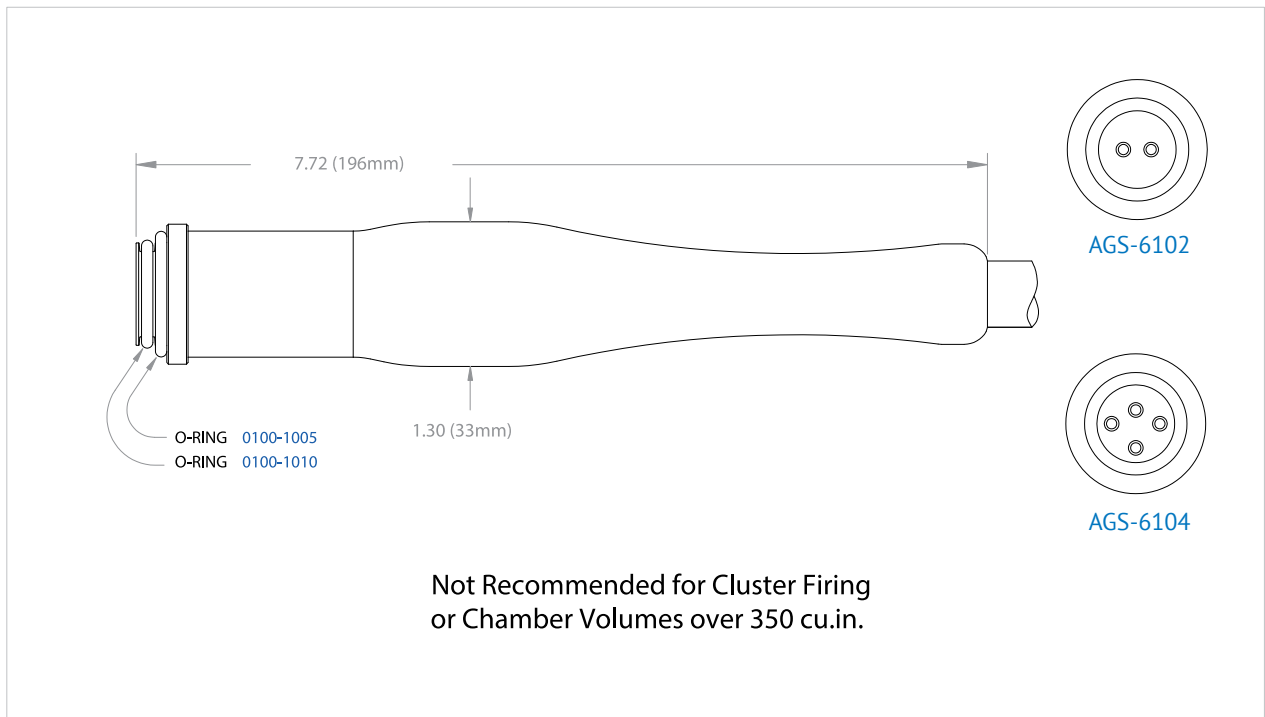




► **6000 Series**

**AGS Source Energy Connectors - Bolt Air Gun**

AGS-6102 • AGS-6104





► 6000 Series

**AGS** Source Energy Connectors - Bolt Air Gun

AGS-6202 • AGS-6204

O-RING 0100-1005  
O-RING 0100-1010

9.88 (251mm)

1.34 (34mm)

AGS-6202

WIRING TYPES AGS 6204

AGS 6204			Type A XX04 M	Type B XX04 M	Type C XX04 M	Type D XX04 M
T(-)	Transducer Neg (-)	Black	Pin 1	Pin 4	Pin 1	Pin 4
T(+)	Transducer Pos (+)	Red	Pin 2	Pin 3	Pin 3	Pin 2
S:2	Solenoid 2	Green	Pin 3	Pin 2	Pin 2	Pin 1
S:1	Solenoid 1	Yellow	Pin 4	Pin 1	Pin 4	Pin 3

AGS-6204

Heavy Duty  
Recommended for all Bolt Air Guns







► **6000 Series**

**AGS Source Energy Connectors - Bolt Air Gun**

AGS-6254

O-RING 0100-1005  
O-RING 0100-1010

6.83 (174mm)

1.44 (37mm)

WIRING TYPES AGS 6204

AGS 6254			Type A XX04 M	Type B XX04 M	Type C XX04 M	Type D XX04 M
T(-)	Transducer Neg (-)	Green	Pin 1	Pin 4	Pin 1	Pin 4
T(+)	Transducer Pos (+)	Red	Pin 2	Pin 3	Pin 3	Pin 2
S:2	Solenoid 2	Black	Pin 3	Pin 2	Pin 2	Pin 1
S:1	Solenoid 1	Yellow	Pin 4	Pin 1	Pin 4	Pin 3

AGS-6254

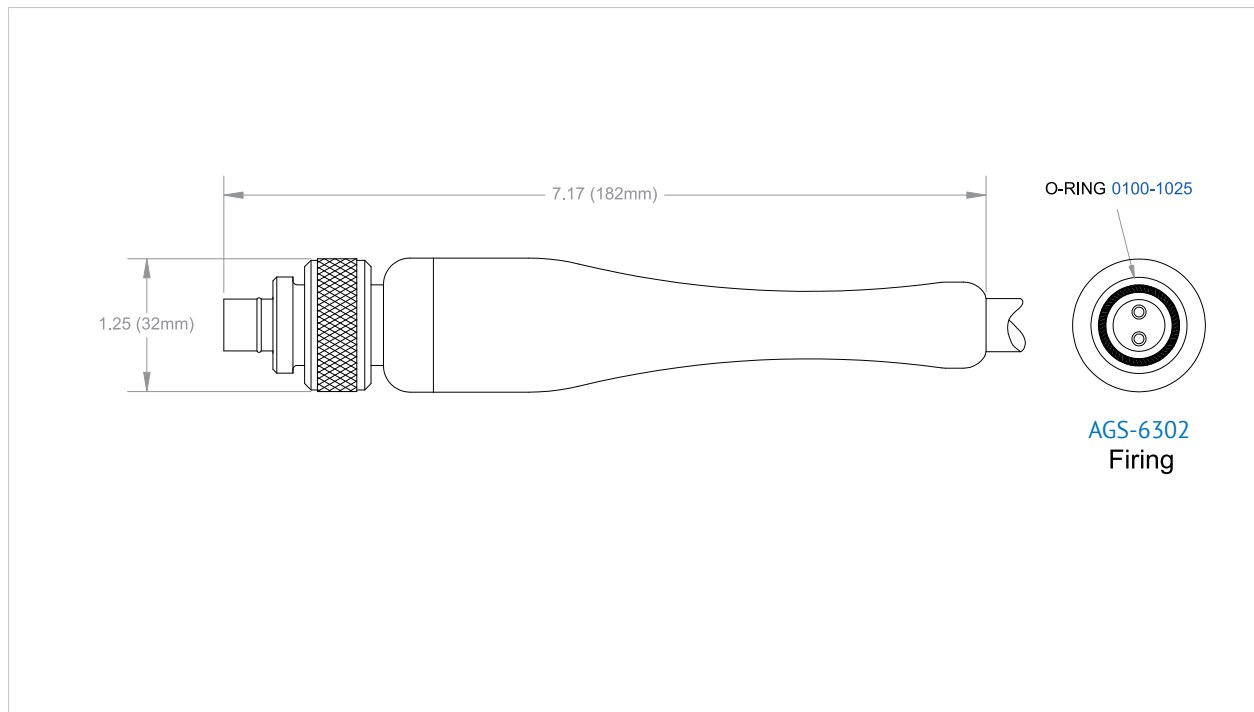
Ruggedized for large airguns and extended service life



► **6000 Series**

**AGS** Source Energy Connectors - Sleeve Air Gun

AGS-6302

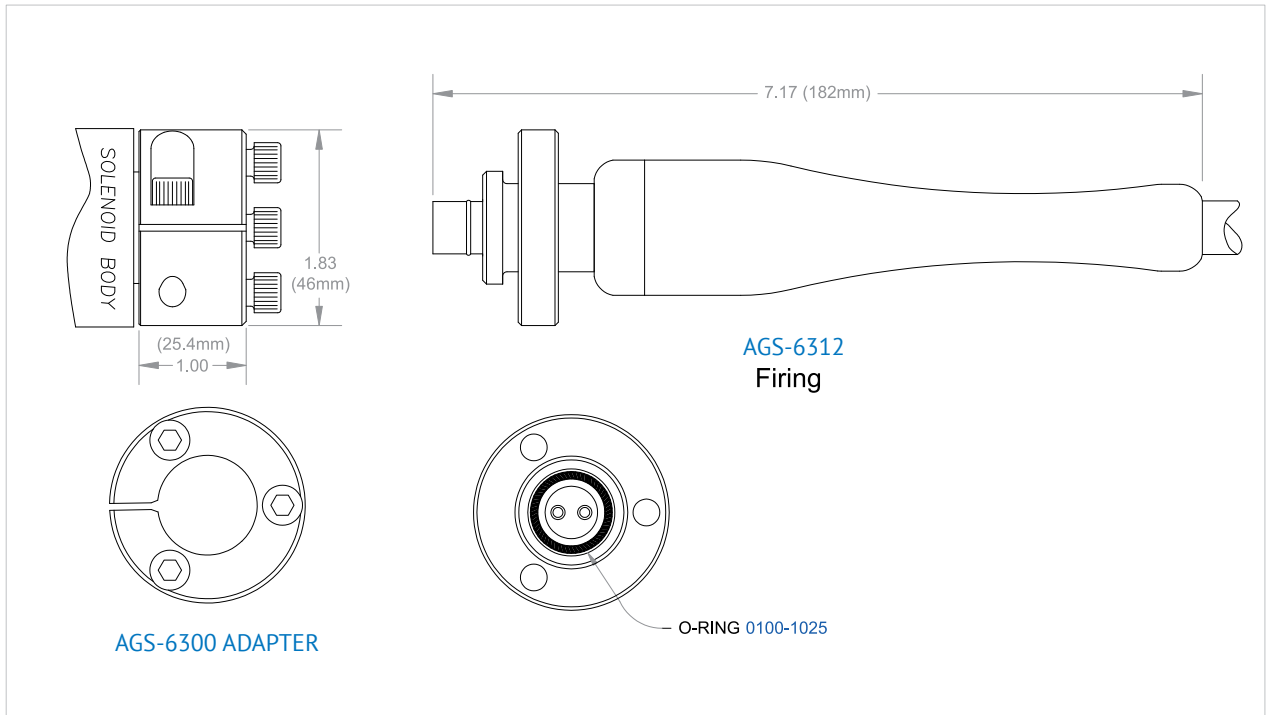




► 6000 Series

**AGS** Source Energy Connectors - Sleeve Air Gun

AGS-6312

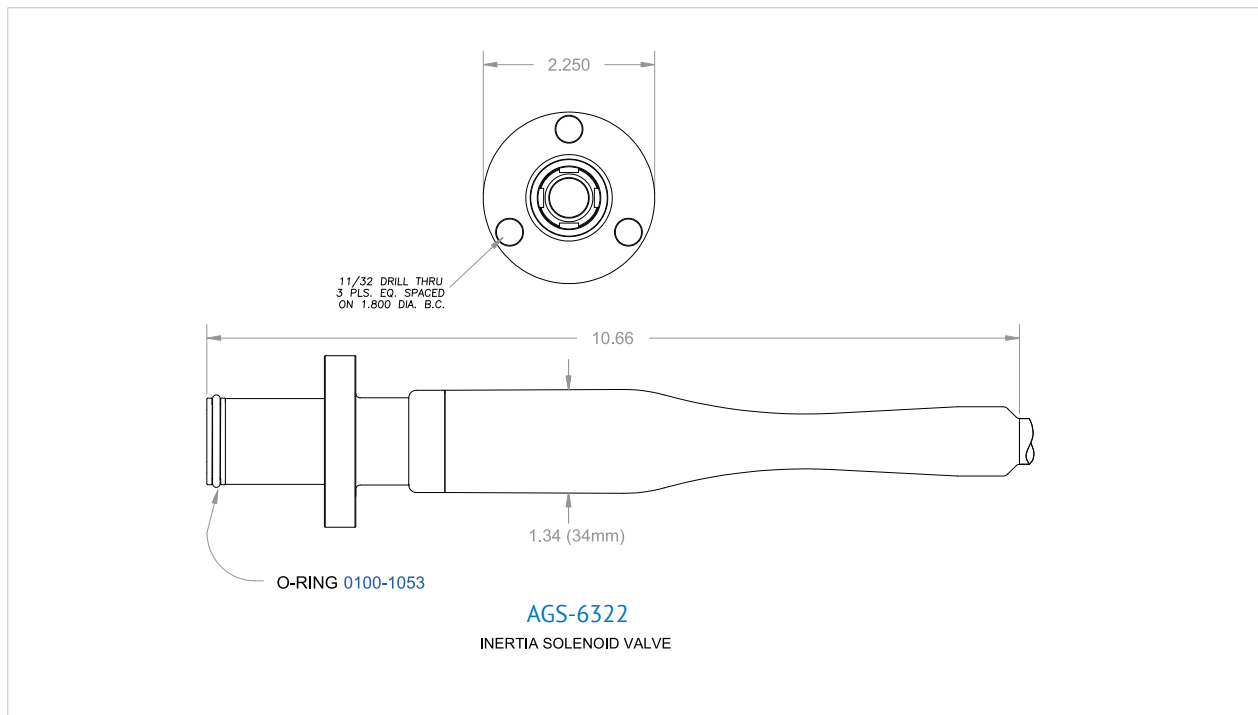




► 6000 Series

**AGS** Source Energy Connectors - Sleeve Gun Solenoid

AGS-632

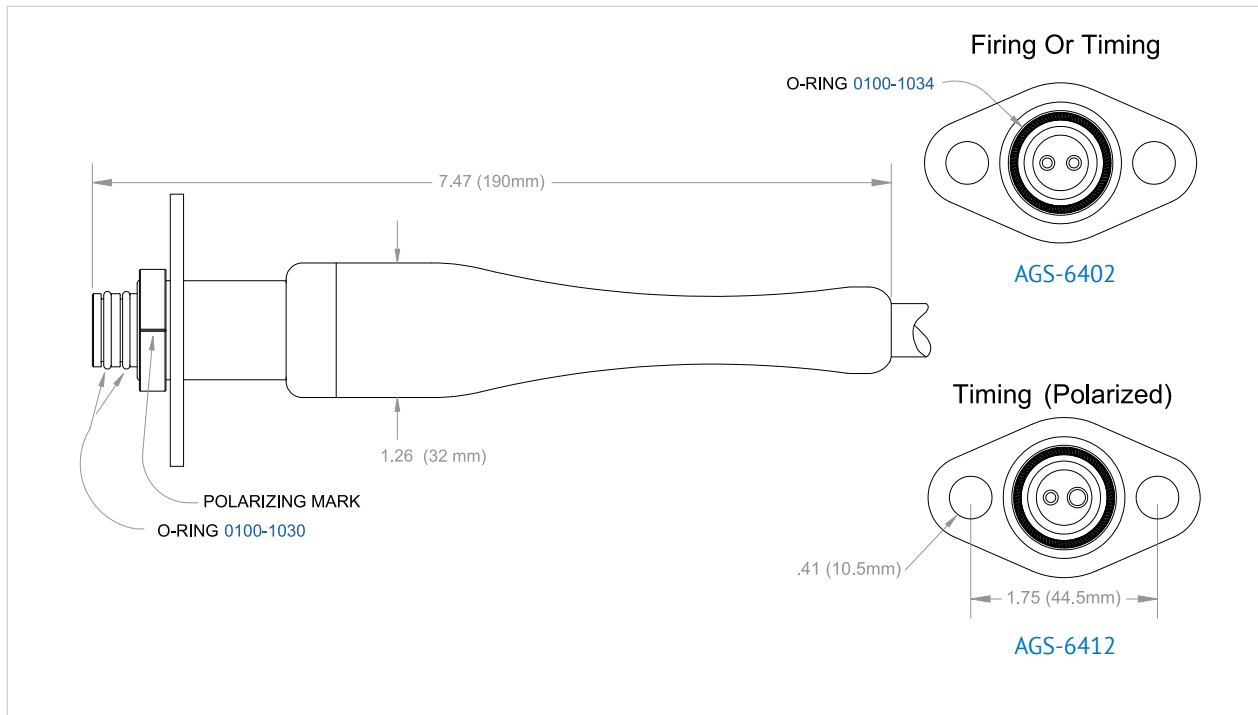




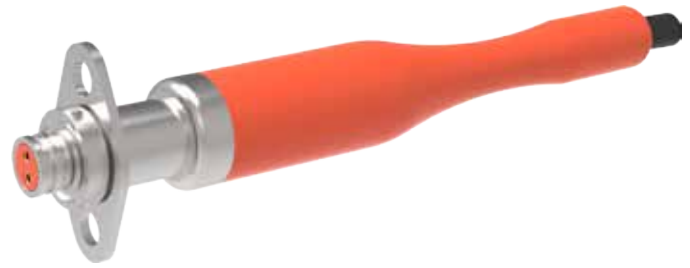
► **6000 Series**

**AGS Source Energy Connectors - Sleeve Air Gun**

AGS-6402 • AGS-6412



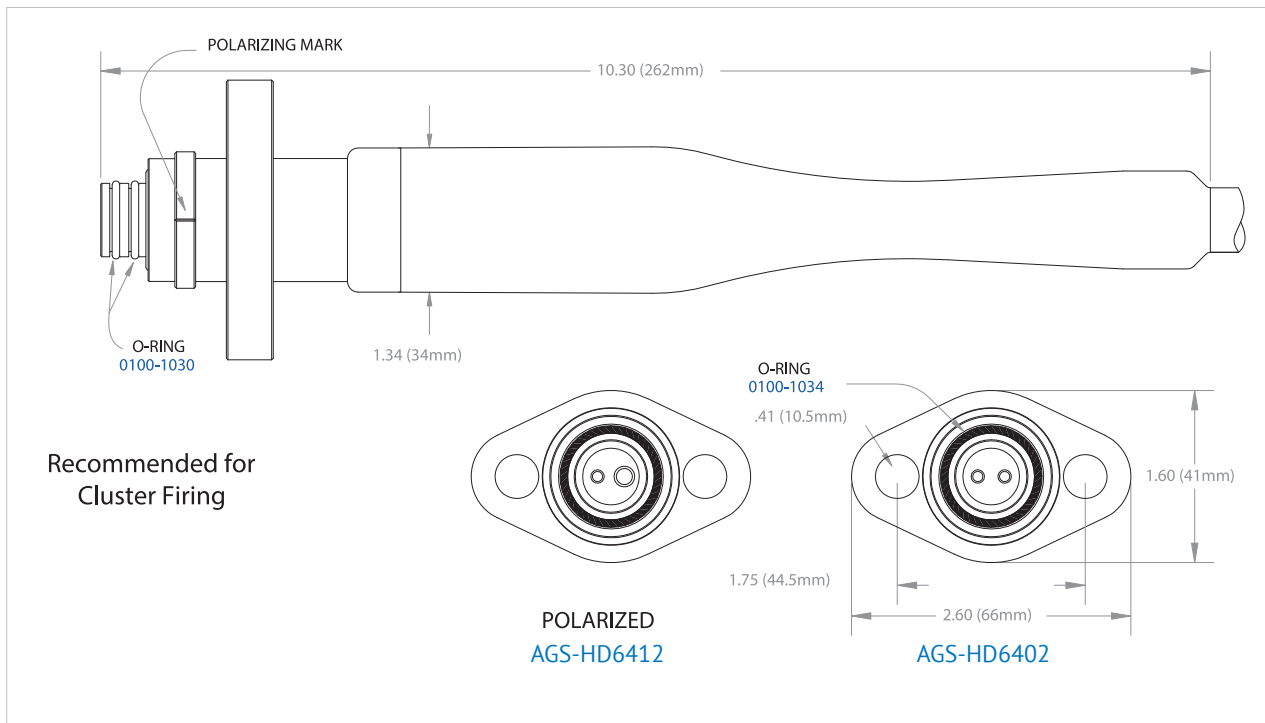




► 6000 Series

**AGS** Source Energy Connectors - Heavy Duty Sleeve Air Gun

AGS-HD6402 • AGS-HD6412

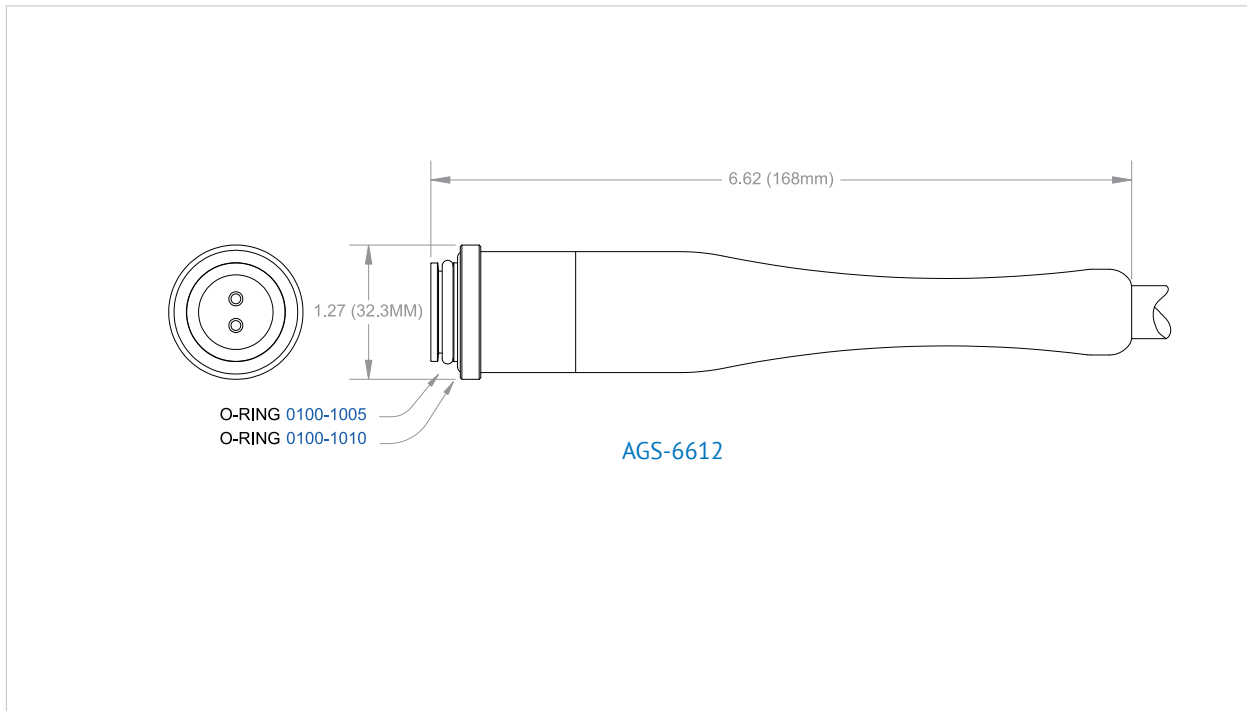




► **6000 Series**

**AGS** Source Energy Connectors - SSI G & GI Air Gun

AGS-6612

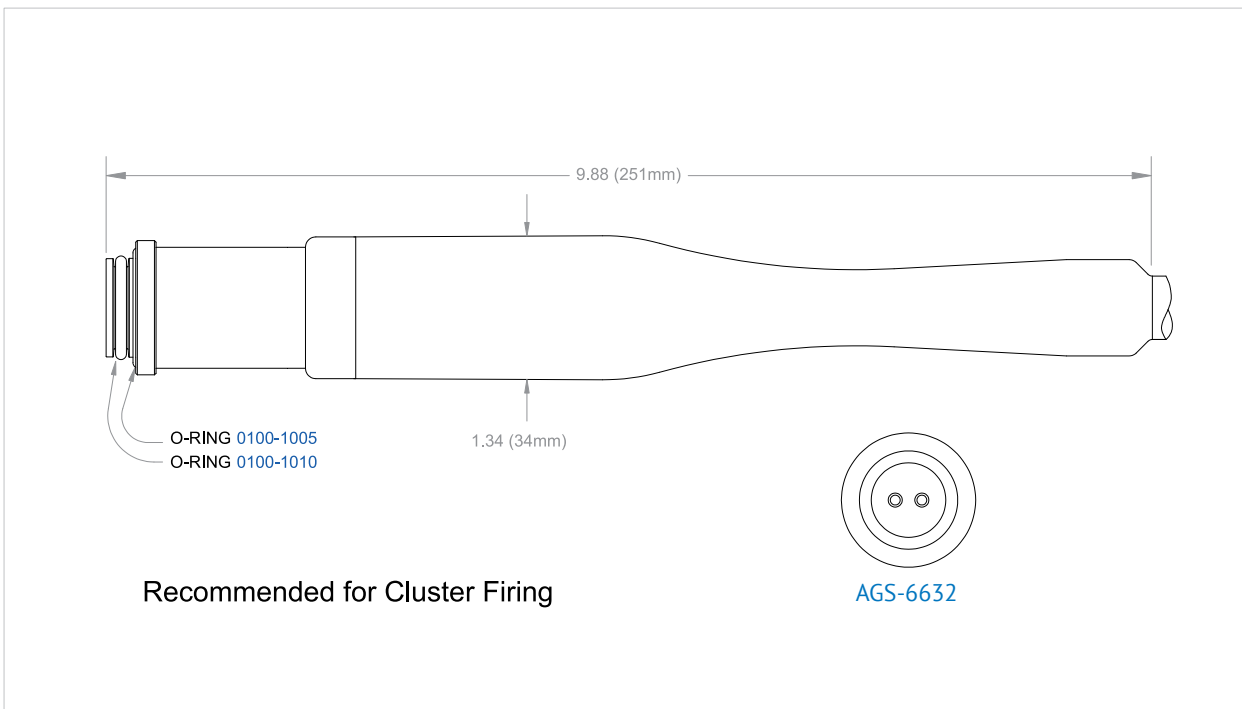




► 6000 Series

**AGS** Source Energy Connectors - SSI G & GI Air Gun

AGS-6632

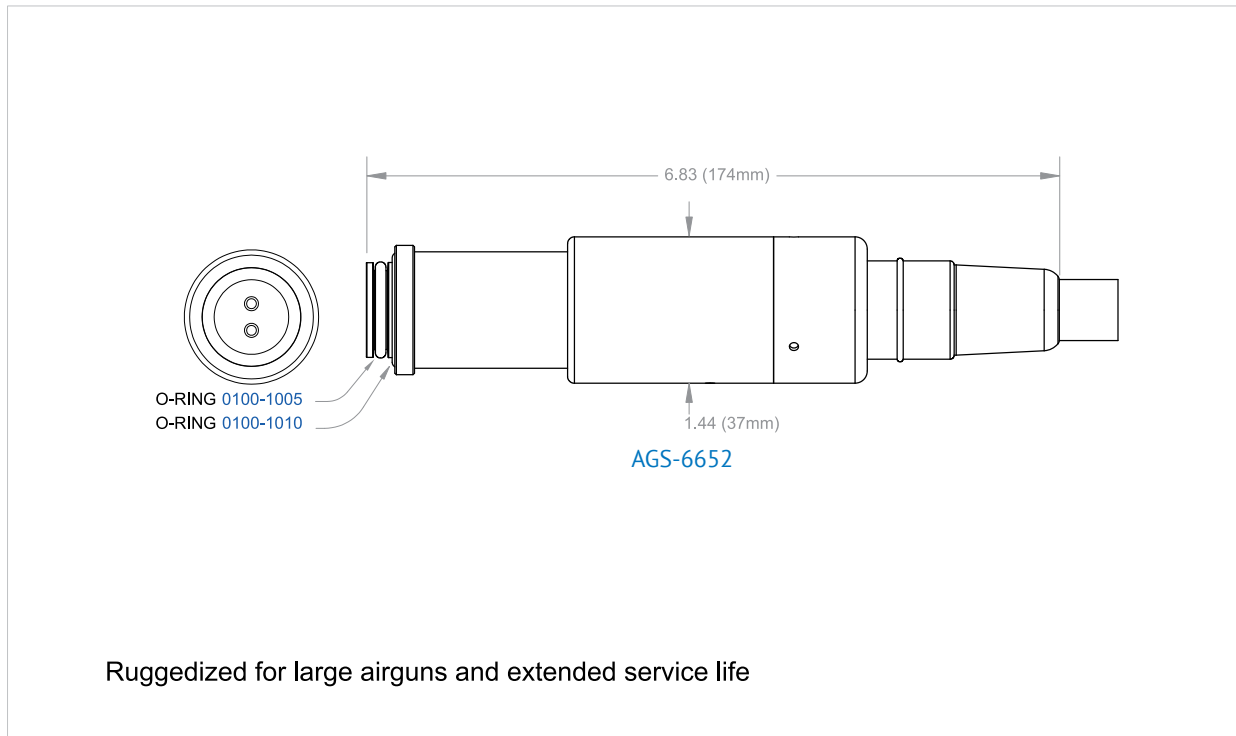




► **6000 Series**

**AGS** Source Energy Connectors - SSI G & GI Air Gun

AGS-6652

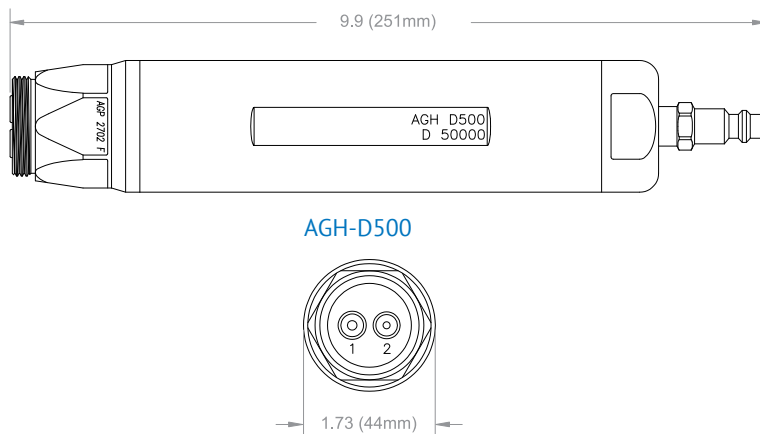




► 7000 Series

## AGH Hydrophones - Gun Depth Transducer

### AGH-D500



AGH-D500

Weight	4 lbs
Diameter	1 3/4"
Connector	AGP-2702-F Female Positive Bulkhead 1 1/16" St. Thread Style
Input	30 VDC Max.
Wiring	Pin 1+ → Pin 2-
Output	0 Mtrs (2KHZ) → 34 Mtrs (5.4 KHZ)
Scale	+1 HZ / CM
Accuracy	Calibrated to ± 10CM
Resolution	1 HZ
Operating Temperature	-10C / +60C





► 7000 Series

## AGH Hydrophones - Gun Pressure Transducer

AGH-P600

AGH-P600

Weight	4 lbs
Diameter	1 3/4"
Connector	<a href="#">AGP-2702-F</a> Female Positive Bulkhead 1 1/16" St. Thread Style
Input	30 VDC Max.
Wiring	Pin 1+ → Pin 2-
Output	0 PSI (2KHZ) → 3000 PSI (5 KHZ)
Scale	+1 HZ / PSI
Accuracy	Calibrated to ± 10 PSI
Resolution	1 HZ
Operating Temperature	-10C / +60C
Thread	1/4 NPT

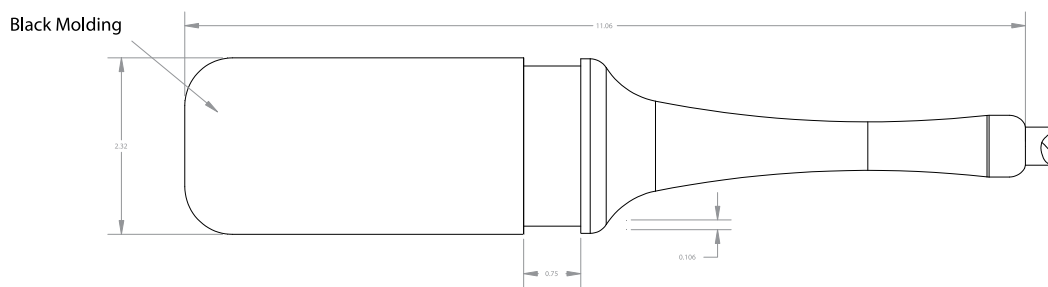




► 7000 Series

## AGH Hydrophones - Marine Source

AGH-7100-C

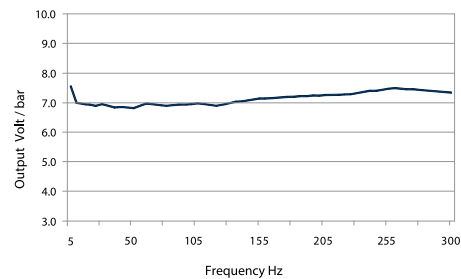


AGH-7100-C (DIRECT WIRED)

The AG Geophysical energy source hydrophone is a rugged, high-pressure hydrophone intended especially for marine applications in a high shock environment.

Its primary use is with seismic source firing and control systems where the hydrophone is operating in close proximity to, or in the high pressure explosive force field of a seismic source.

The AGH-7100 Series is neither calibrated nor characterized. The graph represents a typical output for the AGH-7100-C hydrophone.

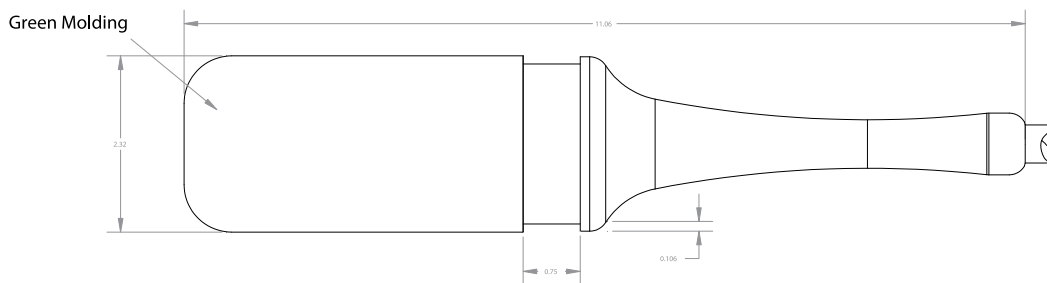




► **7000 Series**

**AGH Hydrophones - Marine Source**

AGH-7100-T

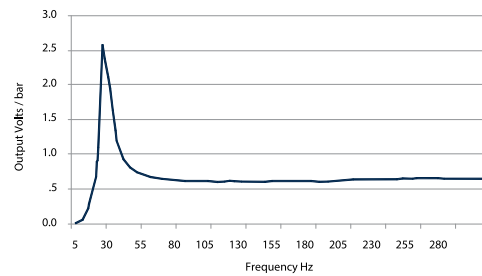


**AGH-7100-T** (TRANSFORMER COUPLED)

The AG Geophysical energy source hydrophone is a rugged, high-pressure hydrophone intended especially for marine applications in a high shock environment.

Its primary use is with seismic source firing and control systems where the hydrophone is operating in close proximity to, or in the high pressure explosive force field of a seismic source.

The AGH-7100 Series is neither calibrated nor characterized. The graph represents a typical output for the AGH-7100-T hydrophone.





► **7000 Series**

**AGH Hydrophones - Marine Source**

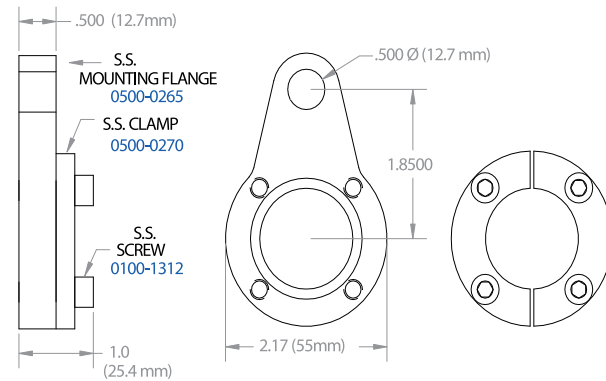
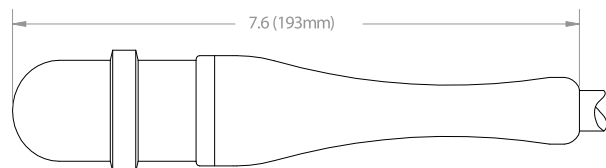
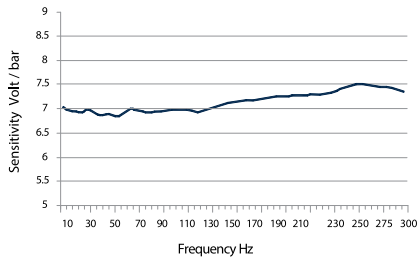
AGH-7720-C

**AGH-7720-C**

The AG Geophysical energy source hydrophone is a rugged, high-pressure hydrophone intended especially for marine applications in a high shock environment.

Its primary use is with seismic source firing and control systems where the hydrophone is operating in close proximity to, or in the high pressure explosive force field of a seismic source.

The AGH-7200-C is neither calibrated nor characterized. The graph represents a typical output for an AGH-7200-C hydrophone.

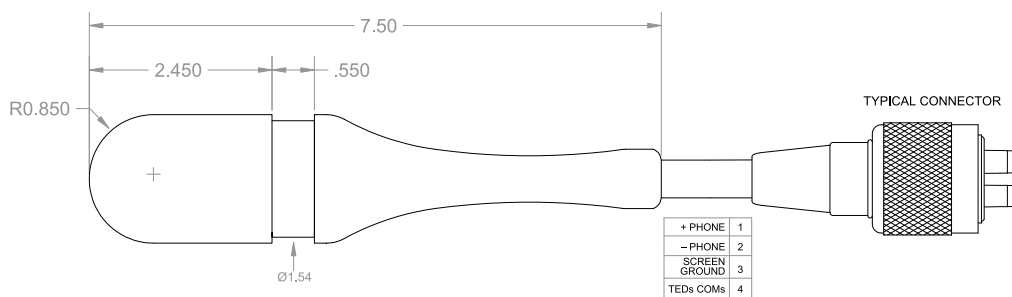




► **7000 Series**

## AGH Hydrophones - Marine Source Calibrated

AGH-7500-C

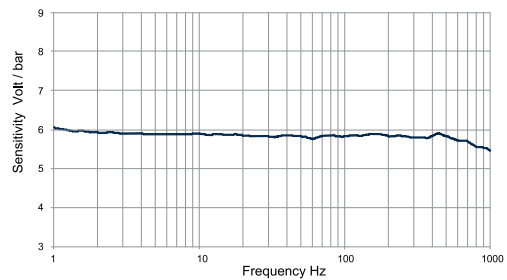


### AGH-7500-C

The AGH-7500-C SmartPhone™ was developed specifically to meet the need for a calibrated near-field hydrophone.

Each phone is characterized against a reference and the derived data is stored in a TEDs chip within the hydrophone assembly.

The graph represents a typical output for an AGH-7500-C hydrophone.

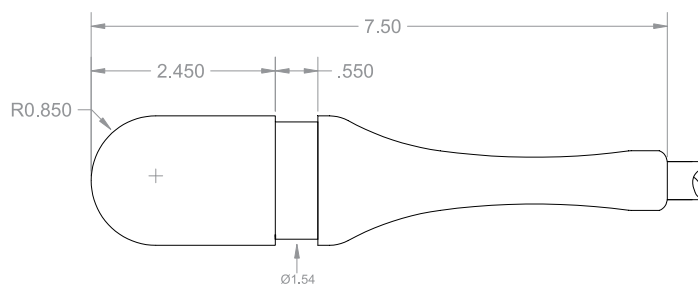




► 7000 Series

## AGH Hydrophones - Marine Source Calibrated

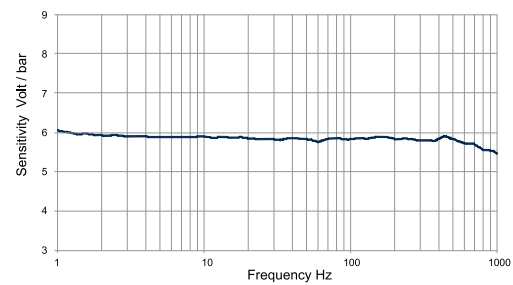
AGH-7500-X



### AGH-7500-X

The AGH-7500-X is a calibrated hydrophone. Each phone is characterized against a reference.

The graph represents a typical output for an AGH-7500-X hydrophone.







► 8000 Series

**AGT Terminations - Water Blocked Inline Splice**

AGT-8100

**AGT-8100**

**.310 WIRE**  
(7.9mm)

**.400 WIRE**  
(10mm)

**.600 WIRE**  
(15.2mm)

**.500 WIRE**  
(12.7mm)

Catalog ID	Cable O.D. In	Cable O.D. Out
<a href="#">AGT-8103-3</a>	.310	.310
<a href="#">AGT-8103-4</a>	.310	.400
<a href="#">AGT-8103-5</a>	.310	.500
<a href="#">AGT-8103-6</a>	.310	.600
<a href="#">AGT-8104-3</a>	.400	.310
<a href="#">AGT-8104-4</a>	.400	.400
<a href="#">AGT-8104-5</a>	.400	.500
<a href="#">AGT-8104-6</a>	.400	.600
<a href="#">AGT-8105-3</a>	.500	.310
<a href="#">AGT-8105-4</a>	.500	.400
<a href="#">AGT-8105-5</a>	.500	.500
<a href="#">AGT-8105-6</a>	.500	.600
<a href="#">AGT-8106-3</a>	.600	.310
<a href="#">AGT-8106-4</a>	.600	.400
<a href="#">AGT-8106-5</a>	.600	.500
<a href="#">AGT-8106-6</a>	.600	.600

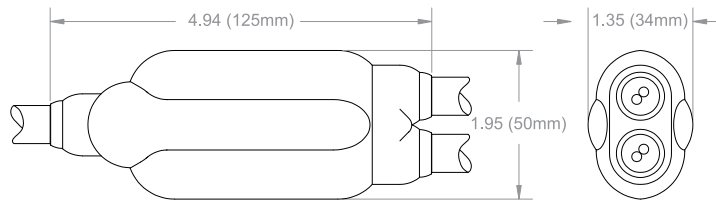




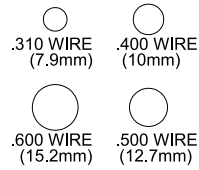
► 8000 Series

**AGT Terminations - Water Blocked Inline Y-Takeout**

AGT-8200



AGT-8200



Catalog ID	Cable O.D. In	Cable O.D. Out
<a href="#">AGT-5233-3</a>	.310	.310 X .310
<a href="#">AGT-8234-4</a>	.310	.400 X .400
<a href="#">AGT-8235-5</a>	.310	.500 X .500
<a href="#">AGT-8236-6</a>	.310	.600 X .600
<a href="#">AGT-8243-3</a>	.400	.310 X .310
<a href="#">AGT-8244-4</a>	.400	.400 X .400
<a href="#">AGT-8245-5</a>	.400	.500 X .500
<a href="#">AGT-8246-6</a>	.400	.600 X .600
<a href="#">AGT-8253-3</a>	.500	.310 X .310
<a href="#">AGT-8254-4</a>	.500	.400 X .400
<a href="#">AGT-8255-5</a>	.500	.500 X .500
<a href="#">AGT-8256-6</a>	.500	.600 X .600
<a href="#">AGT-8263-3</a>	.600	.310 X .310
<a href="#">AGT-8264-4</a>	.600	.400 X .400
<a href="#">AGT-8265-5</a>	.600	.500 X .500
<a href="#">AGT-8266-6</a>	.600	.600 X .600

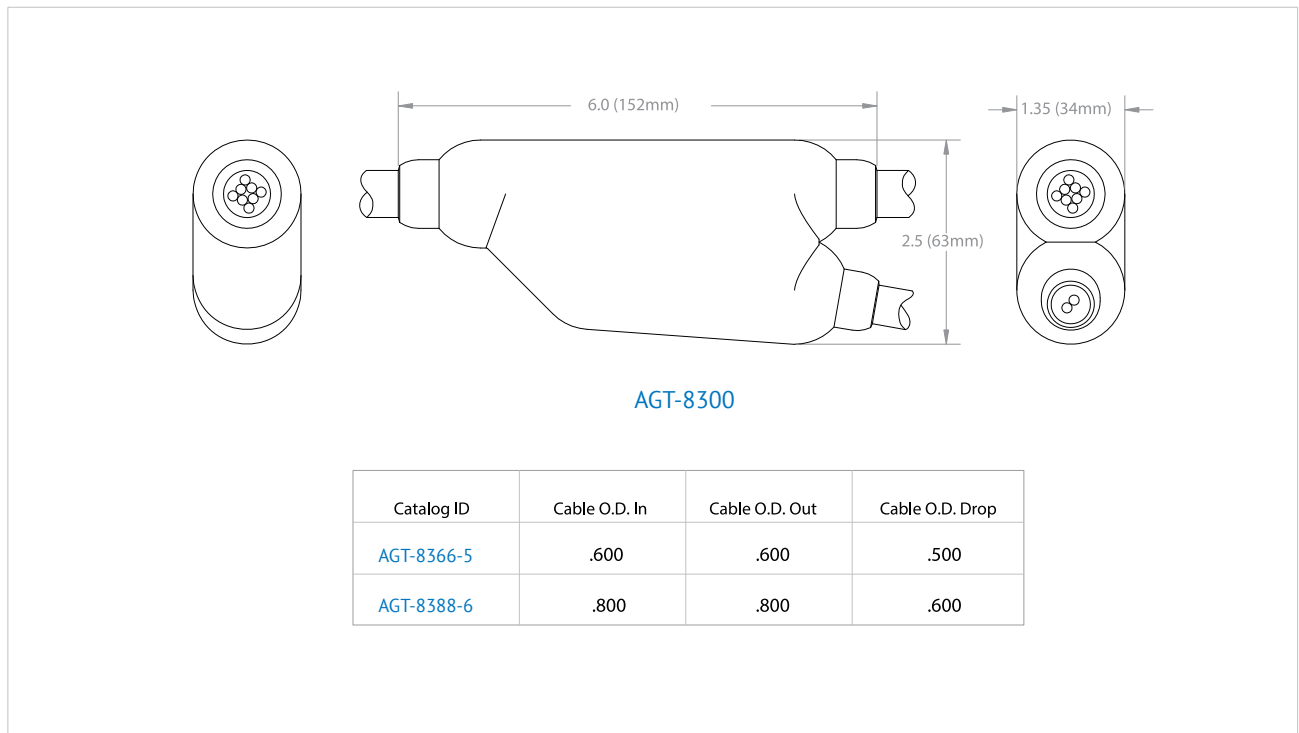




► **8000 Series**

**AGT Terminations - Water Blocked Inline Y-Drop**

AGT-8300

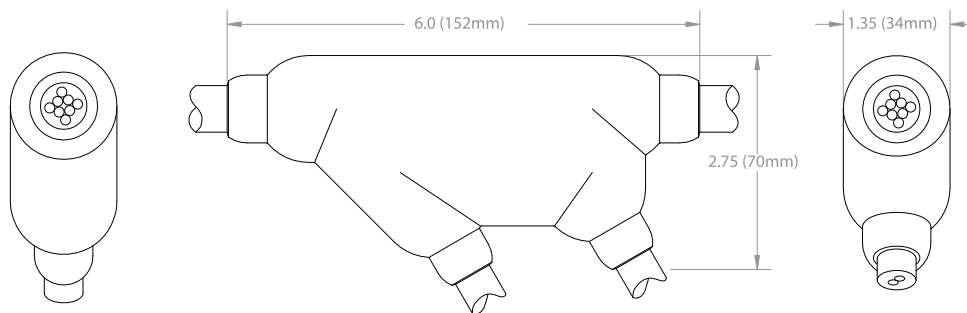




► **8000 Series**

**AGT** Terminations - Water Blocked Inline Double-Drop

AGTD-8300



AGTD-8300

Catalog ID	Cable O.D. In	Cable O.D. Out	Cable O.D. Drop-1	Cable O.D. Drop-2
AGTD-8366-55	.600	.600	.500	.500





► **8000 Series**

**AGT Terminations - Water Blocked Inline Heavy Duty Takeout**

**AGT-8400**

AGT-8400

Catalog ID	Cable O.D. In	Cable O.D. Out
<a href="#">AGT-84-52-5</a>	.500	2 X .500
<a href="#">AGT-84-52-6</a>	.500	2 X .600
<a href="#">AGT-84-53-4</a>	.500	3 X .400
<a href="#">AGT-84-53-5</a>	.500	3 X .500
<a href="#">AGT-84-54-4</a>	.500	4 X .400
<a href="#">AGT-84-54-5</a>	.500	4 X .500
<a href="#">AGT-84-62-5</a>	.600	2 X .500
<a href="#">AGT-84-62-6</a>	.600	2 X .600
<a href="#">AGT-84-63-4</a>	.600	3 X .400
<a href="#">AGT-84-63-5</a>	.600	3 X .500
<a href="#">AGT-84-64-4</a>	.600	4 X .400
<a href="#">AGT-84-64-5</a>	.600	4 X .500
<a href="#">AGT-84-92-5</a>	.900	2 X .500
<a href="#">AGT-84-92-6</a>	.900	2 X .600
<a href="#">AGT-84-93-4</a>	.900	3 X .400
<a href="#">AGT-84-93-5</a>	.900	3 X .500
<a href="#">AGT-84-94-4</a>	.900	4 X .400
<a href="#">AGT-84-94-5</a>	.900	4 X .500



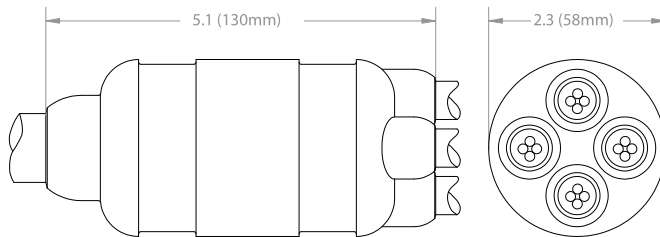


► 8000 Series

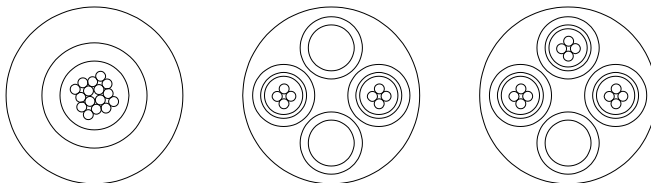
## AGT Terminations - Water Blocked Inline Heavy Duty Takeout

### AGTR-8400

Catalog ID	Cable O.D. In	Cable O.D. Out
AGT-84-52-5	.500	2 X .500
AGT-84-52-6	.500	2 X .600
AGT-84-53-4	.500	3 X .400
AGT-84-53-5	.500	3 X .500
AGT-84-54-4	.500	4 X .400
AGT-84-54-5	.500	4 X .500
AGT-84-62-5	.600	2 X .500
AGT-84-62-6	.600	2 X .600
AGT-84-63-4	.600	3 X .400
AGT-84-63-5	.600	3 X .500
AGT-84-64-4	.600	4 X .400
AGT-84-64-5	.600	4 X .500
AGT-84-92-5	.900	2 X .500
AGT-84-92-6	.900	2 X .600
AGT-84-93-4	.900	3 X .400
AGT-84-93-5	.900	3 X .500
AGT-84-94-4	.900	4 X .400
AGT-84-94-5	.900	4 X .500



AGTR-8400



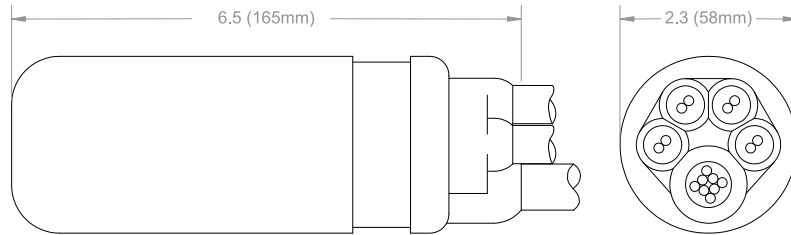




► **8000 Series**

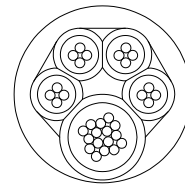
**AGT Terminations - Water Blocked Inline Penta Splice**

AGT-8500



AGT-8500

AGT-8564-5



AGT-8594-5

Catalog ID	Cable O.D. In	4 Cables O.D. Out
AGT-8564-5	.600	4 X .500
AGT-8594-5	.900	4 X .500

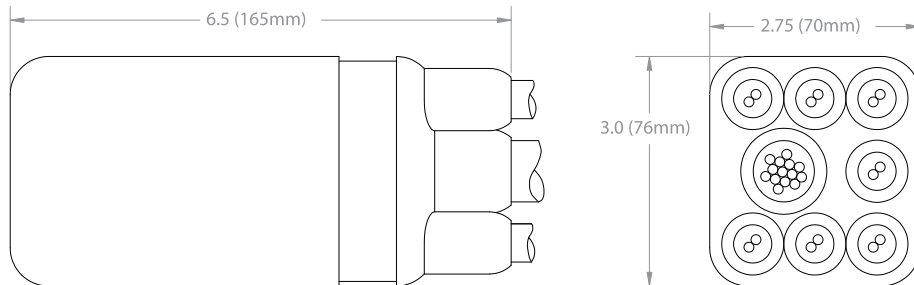




► 8000 Series

## AGT Terminations - Water Blocked Heavy Duty Splice

AGT-8687-5



AGT-8687-5

Catalog ID	Cable O.D. In	Cables O.D. Out
AGT-8687-5	.800	Qty X .500 (Qty 2 to 7)

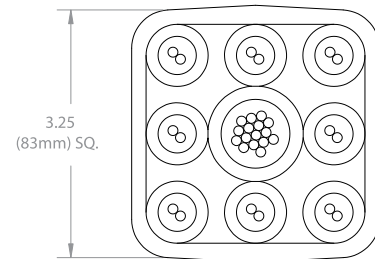
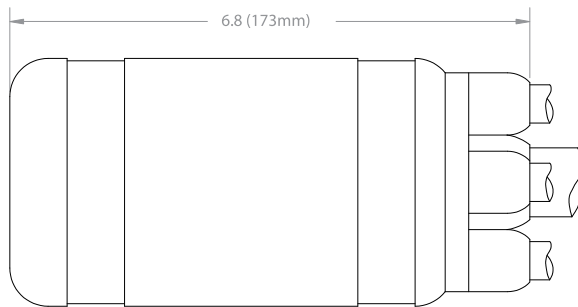




▶ **8000 Series**

**AGT Terminations - Water Blocked Heavy Duty Splice**

AGT-8798-5



AGT-8798-5

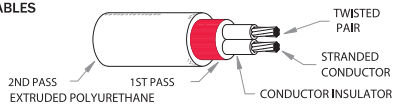
Catalog ID	Cable O.D. In	Cables O.D. Out
AGT-8798-5	.900	Qty X .500 (Qty 2 to 8)



# ► 9000 Series

## AGC Cable - Electrical

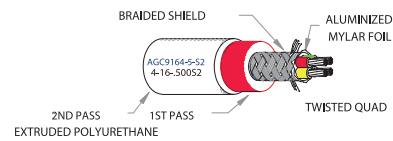
### STANDARD CABLES



Catalog ID	Awg	# Conductors	Twist	Stranding Material	O.D. (IN./MM)	Max Ohms /1000' @20° C	Lbs /1000'
AGC-9102-5 2-10-.500	10	2	Twisted Pair	7x17/32 Tinned Copper Clad Steel	0.500 12.7	4.1	151
AGC-9104-6 4-10-.600	10	4	Twisted Quad	7x17/32 Tinned Copper Clad Steel	0.600 15.2	4.1	196
AGC-9112-4 2-11-.450	11	2	Twisted Pair	7x7/30 Tinned Copper Clad Steel	0.450 11.4	6.3	100
AGC-9112-5 2-11-.500	11	2	Twisted Pair	7x7/30 Tinned Copper Clad Steel	0.500 12.7	6.3	118
AGC-9114-5 4-11-.500	11	4	Twisted Quad	7x7/30 Tinned Copper Clad Steel	0.500 12.7	6.3	140
AGC-9162-3 2-16-.310	16	2	Twisted Pair	7x6/32 Tinned Bronze Alloy	0.310 7.87	5.3	52
* AGC-9162-4 2-16-.400/390	16	2	Twisted Pair	7x6/32 Tinned Bronze Alloy	0.390 10.0	5.3	76
AGC-9162-5 2-16-.500	16	2	Twisted Pair	7x6/32 Tinned Bronze Alloy	0.500 12.7	5.3	111
* AGC-9164-4 4-16-.400/390	16	4	Twisted Quad	7x6/32 Tinned Bronze Alloy	0.390 10.0	5.3	86
AGC-9164-5 4-16-.500	16	4	Twisted Quad	7x6/32 Tinned Bronze Alloy	0.500 12.7	5.3	125
AGC-9168-6 8-16-.600	16	8	4 Twisted Pairs	7x6/32 Tinned Bronze Alloy	0.600 15.2	5.3	183
AGC-916X-9 16-16-.900	16	16	7 Twisted Prs About Ctr Pr	7x6/32 Tinned Bronze Alloy	0.900 22.86	5.3	386

\* Available Filled

### SHIELDED CABLES



Catalog ID	Awg	# Conductors	Twist	Stranding Material	O.D. (IN./MM)	Coverage	Max Ohms /1000' @20° C	Lbs /1000'
AGC-9164-S2 Shielded 4-16-.500S2	16	4	Twisted Shielded Quad	7x6/32 Tinned Bronze Alloy	0.500 12.7	100% Shield 50% Foil 80% Braid	5.3	126

### COAXIAL CABLES

Catalog ID	Impedance (OHMS)	Industry Equivalent	O.D. (IN./MM)	Capacitance (pF/ft)	Lbs/1000'
AGC-950-LMR4/5-C	50	LMR400	0.500 12.7	23.9	175
AGC-950-213C	50	RG-213	0.500 12.7	30.8	138
AGC-950-58C	50	RG-58	0.375 9.5	30.8	69

### EXTERIOR ARMOR CABLES

Catalog ID	Awg	# Conductor	Twist	Stranding Material	O.D. (IN./MM)	Max Ohms /1000' @ 20°C	Lbs /1000'
AGC-9168-6 8-16-1050A2	16	8	4 Twisted Pairs	7x6/32 Tinned Bronze Alloy	0.600 15.2	5.3	943.7





CONSTANT USE AT > 6 AMPS CAN SHORT OUT CONDUCTOR

► **Miscellaneous Parts**

## O-Rings and Set Screws

Catalog ID	For Part	Description
0100-1010	Bolt Air Guns	Small "O" Ring
0100-1005	Sercel G-Gun, GI-Gun, Water Gun	Large "O" Ring
0100-1040	Coax Inline	"O" Ring
0100-1042	Coax Bulkhead	"O" Ring
0100-1056	Coax Sealing Cap	"O" Ring
0100-1050	Flangemount Bulkhead Connector	"O" Ring
0100-1060	1 <sup>1</sup> / <sub>16</sub> " Straight Thread Bulkhead Connector	Small "O" Ring
0100-1055	1 <sup>1</sup> / <sub>16</sub> " Straight Thread Bulkhead Connector	Large "O" Ring
0100-1070	1 <sup>5</sup> / <sub>16</sub> " Straight Thread Bulkhead Connector	Small "O" Ring
0100-1065	1 <sup>5</sup> / <sub>16</sub> " Straight Thread Bulkhead Connector	Large "O" Ring
0100-1085	1 <sup>5</sup> / <sub>8</sub> " Straight Thread Bulkhead Connector	Small "O" Ring
0100-1080	1 <sup>5</sup> / <sub>8</sub> " Straight Thread Bulkhead Connector	Large "O" Ring
0100-1030	Sleeve Gun Timing Connector	"O" Ring
0100-1034	Sleeve Gun Timing/Firing Connector	"O" Ring
0100-1025	Sleeve Gun Firing Connector	"O" Ring
0100-1215	Sleeve Gun Firing Connector	10-32 Nylon Set Screw

► **Miscellaneous Parts**  
**Other**

	Potting Cups	Application
	0200-0449	Bulkhead 2, 4 Pin
	0200-0447	Bulkhead 8 Pin
	0200-0445	Bulkhead 16 Pin
	Stainless Steel Caps	Application
	0300-0190	Bulkhead 2,4,8 Pin
	0300-0195	Bulkhead 16 Pin
	Washers	Application
	0300-0430	AGP-2702,4
	0300-0420	AGP-2708
	0300-0410	AGP-2716
	Nuts	Application
	0300-0530	AGP-2702,4
	0300-0520	AGP-2708
	0300-0510	AGP-2716



► **Miscellaneous Parts**

**Field Installable Locking Ring Assemblies**

					
<b>SFI-STD-F</b>	<b>SFI-STD-M</b>	<b>SFI-MID-F</b> <b>* SFI-MIDBRZ-F</b>	<b>SFI-MID-M</b> <b>* SFI-MIDBRZ-M</b>	<b>* SFI-LGBRZ-F</b>	<b>* SFI-LGBRZ-M</b>
Fits Connectors AGM-1002-M AGM-1004-M AGP-2002-M AGP-2004-M AGP-2008-M	Fits Connectors AGM-1002-F AGM-1004-F AGP-2002-F AGP-2004-F AGP-2008-F	Fits Connectors AGM-1102-M AGM-1104-M AGP-2102-M AGP-2104-M AGP-2108-M	Fits Connectors AGM-1102-F AGM-1104-F AGP-2102-F AGP-2104-F AGP-2108-F	Fits Connector AGP-2116-M	Fits Connector AGP-2116-F
					<b>* ASTM 3150 C63000</b>



## Important Lube Information

### Before Shipment

AG connectors are lightly sprayed with aerosol non-water-soluble silicone lubricant in preparation for the first connection.

### For subsequent matings

The connectors should be cleaned to remove any contamination and silicone buildup, then re-lubricated. This procedure will insure correct mating as well as prolonged connector life

**DO NOT** use WD40, CRC, or any other solvents



**DO NOT** use DC 111 or any other heavy silicone greases



APPROVED  
✓



ECG RX2200  
10 oz. Aerosol (**AG Part #0160-0232**)  
NTE Electronics, Inc.  
44 Farrand St.  
Bloomfield, NJ 07003  
(800) 631-1250

APPROVED  
✓



3M Silicone Spray #62-4678-7930-3  
13.25 oz. Aerosol (**AG Part #0160-0230**)

APPROVED  
✓



Dow Corning DC200  
1-gallon bulk (non-aerosol) (**AG Part #0160-0234**)  
(also supplied as Krayden PMX-200GL10B)  
end user must supply spray apparatus



Mating of locking rings should be done by **hand** only

### Use of wrench or pliers

can cause thread damage and lead to failure of the locking rings.




### For trouble-free service

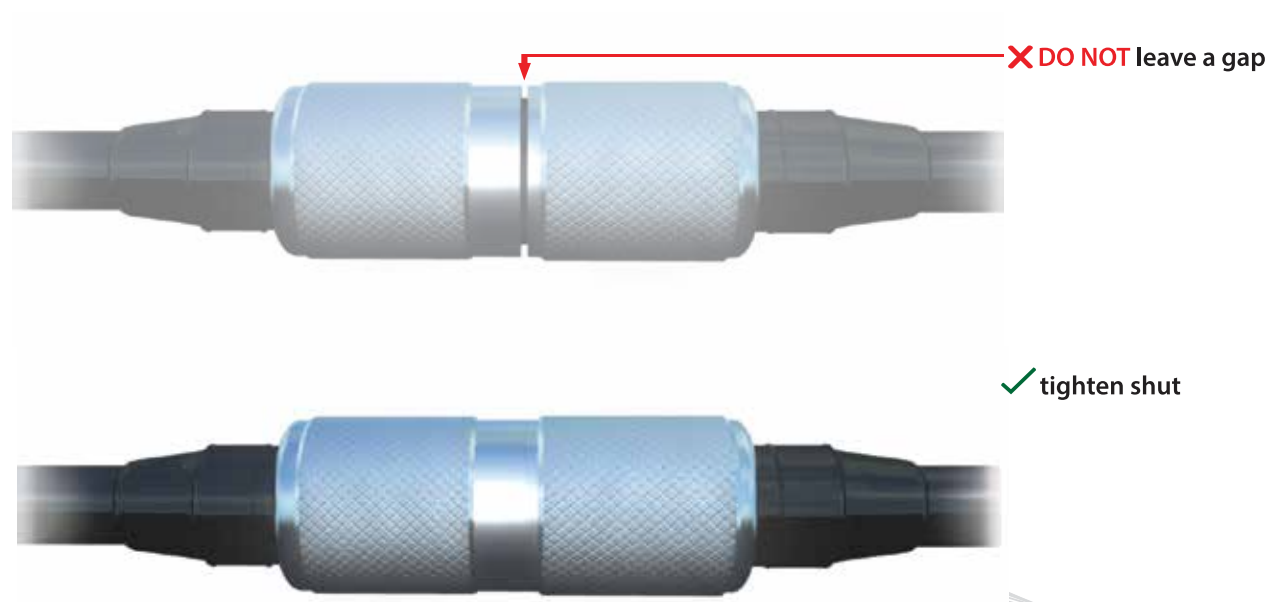
use a light machine oil or dielectric anti-seize product to lubricate **only the threaded** portion of the stainless steel locking rings.

**Note:** slower mating of stainless on stainless will reduce galling - mate slowly!!!

approved by  **Loctite White Hi-Temp Anti-Seize # 34517**  
 (8 oz) (A-G Part #xxxx-xxxx) / # 34518 (16 oz) (A-G Part #xxxx-xxxx)



-  **✗ DO NOT bend or twist**
-  **✓ Pull straight across connectors...**
-  **✓ or anchor with foot and pull straight up.**

## STANDARD SPECIFICATION FOR AG CONNECTORS

The following specifications are applicable to the following series of connectors when properly mated to AG branded connectors listed in this specification:

-AGM  
-AGMU  
-AGP  
-AGPU

### Environmental

Depth: 300 PSI equivalent (when fully and properly mated)  
Operational Temperature: 20° F - 158°F

### Performance

Mates / Demates: 100  
Voltage Rating: 1500 VDC  
Current: 8 amps DC maximum  
Contact Resistance (mated): 100mΩ maximum  
(measured in accordance with procedure EIA-364-06C)

Vibration: 1000g peak  
Isolation: 500mΩ at 500 VDC  
(when measured pin-to-pin or pin-to-shell)

### Mechanical

Tensile: 500 lbs axial pull

\*Specifications are for reference only and may change with and without notice.  
Please contact the factory for the most current design specifications.





**TELEDYNE**  
**AG GEOPHYSICAL PRODUCTS**  
Everywhereyoulook™

Specifications subject to change without notice.  
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Teledyne AG Geophysical

14880 Skinner Rd., Cypress, TX 77429

Tel. +1-281-373-5952 • Fax +1-281-373-3632 • Email: [TeledyneMarineSeismic@Teledyne.com](mailto:TeledyneMarineSeismic@Teledyne.com) IFS D/N 1247533 Rev. B

[www.teledynemarine.com/ag-geophysical](http://www.teledynemarine.com/ag-geophysical)

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