

DATA SHEET:

# ADAPTORS & REDUCERS

Ex approved Adaptors and Reducers are used to match enclosure entry threads with the cable gland or conduit when the threads differ, maintaining the hazardous location certification and the overall integrity of the installation.



## Approvals & Specifications

- ATEX/IEC** II 2 GD Exd IIC / Exe II Category 2 & 3  
IEC 60079-0, IEC 60079-1, IEC 60079-7, ATEX/94/9/EC  
IEC 61241-0, IEC 61241-1
- NEC/CEC** **Class I, Division 1 Groups ABCD**  
(>M50 Groups CD only)  
UL1203, UL514B, UL50  
C22.2 Nos. 30, 0.5, 0-M, 45, 18.3-04, 94-M91  
**AExd IIC / AExe II Class I, Zone 1**  
UL2279, UL60079-0, UL60079-1, UL60079-7, UL60079-1-1  
E60079-0, E60079-1, E60079-7, E60079-1-1
- Thread Gauging** **Metric: 1.5mm Pitch- Medium Fit 6g/H**  
(Sizes M80 and larger are 2.0mm pitch as Standard)  
**NPT: Male L1 +/-1 Turn**  
**Female L1+ 1/2 to + 2 Turns**  
Other Thread Forms Available on Application
- Material Options** **Nickel Plated Brass 'N'** (-100 to + 150 °C)  
**316 Stainless Steel 'S'** (-100 to +850 °C)
- 'O' Ring Options** **Nitrile** (-30 to +90 °C)  
**Silicone** (-50 to +230 °C)  
Nitrile 'O' ring supplied as standard on versions with parallel male threads
- Ingress Protection** **With 'O' Ring IP 66 68, NEMA 4 (316 Stainless 4X)**  
**With Thread Sealant (Non-Hardening) IP 66 68, NEMA 4 (316 Stainless 4X)**  
Without 'O' Ring or Thread Sealant IP54
- Impact Resistance** **7Nm**
- Clearance Holes** HLS Adaptors & Reducers are certified for Exe clearance hole applications, Type 'L1' locknuts are required to secure the installation

## Part Number Structure

Example - A1.20.1/2.N.NT

Important Note—Always state the Male Thread first

- Adaptor with hexagon body
- M20 Male Thread
- 1/2" NPT Female Thread
- Nickel Plated Brass
- Nitrile 'O' Ring

Product		Body Style				
<b>A</b>	Adaptors	<b>1</b>	Hexagonal			
<b>R</b>	Reducers	<b>2</b>	Diameter			
Thread Designation						
Metric	NPT	NPS	ISO	ISO	ET	PG
<b>16</b>	1/2	1/2S	1/2P	1/2T	1/2E	<b>7</b>
<b>20</b>	3/4	3/4S	3/4P	3/4T	3/4E	<b>9</b>
<b>25</b>	<b>1</b>	<b>1S</b>	<b>1P</b>	<b>1T</b>	<b>1E</b>	<b>11</b>
<b>32</b>	<b>1 1/4</b>	<b>1 1/4S</b>	<b>1 1/4P</b>	<b>1 1/4T</b>	<b>1 1/4E</b>	<b>13</b>
<b>40</b>	<b>1 1/2</b>	<b>1 1/2S</b>	<b>1 1/2P</b>	<b>1 1/2T</b>	<b>1 1/2E</b>	<b>16P</b>
<b>50</b>	<b>2</b>	<b>2S</b>	<b>2P</b>	<b>2T</b>	<b>2E</b>	<b>21</b>
<b>63</b>	<b>2 1/2</b>	<b>2 1/2S</b>	<b>2 1/2P</b>	<b>2 1/2T</b>	<b>2 1/2E</b>	<b>29</b>
<b>75</b>	<b>3</b>	<b>2S</b>	<b>3P</b>	<b>3T</b>	<b>3E</b>	<b>36</b>
<b>80</b>	<b>3 1/2</b>	<b>3 1/2S</b>	<b>3 1/2P</b>	<b>3 1/2T</b>		<b>42</b>
<b>85</b>	<b>4</b>	<b>4S</b>	<b>4P</b>	<b>4T</b>		<b>48</b>
<b>90</b>						
<b>95</b>						
<b>100</b>						
<i>Note: Metric sizes M80 and larger are 2.0mm pitch is Standard, for 1.5mm pitch add *</i>						
Material			'O' Ring			
<b>N</b>	Nickel Plated Brass		<b>NT</b>	Nitrile (Std.)		
<b>S</b>	316 Stainless Steel		<b>SC</b>	Silicone		

