

## Peppers Cable Glands Limited

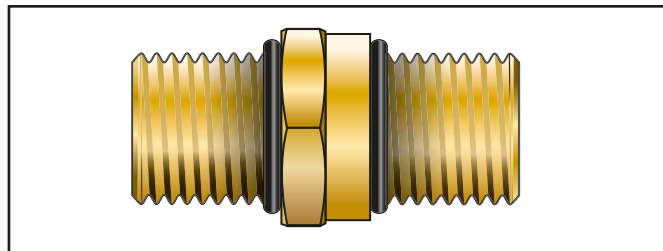
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### ARMM Series Male x Male Adaptors

"ARMM" Series Certified Male x Male Adaptors provide a method of matching electrical thread forms on Ex equipment whilst maintaining Ex d, Ex e, Ex tb and Ex nR methods of explosion protection. Approved for use in mining and surface installations they maintain IP66 & IP68 for IEC type applications and Class I Division 1 and NEMA 4X for CEC type applications. All external parallel threads are fitted with a nitrile O-ring as standard.

<b>Compliance Standard:</b>	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & 60529
<b>Certification:</b>	ATEX I M2 II 2GD Ex d I&IIC Mb Gb / Ex e I&IIC Mb Gb/ Ex tb IIIC Db II 3GD Ex nR IIC Gc IECEX Ex d I&IIC / Ex e I&IIC / Ex tb IIIC / Ex nR IIC CSA Class I, Division 1 Groups A, B, C & D Class II, Groups E, F & G; Class III GOST-R Ex d I&IICU / Ex e I&IIU / Ex nRIIU
<b>Marine Approvals:</b>	LLOYDS Enclosure Systems - Part 1B RMRS Part XI of Rules for sea-going ships (ed.2008)
<b>Certificate No.</b>	ATEX SIRA 09ATEX1322X & SIRA 09ATEX4323X IECEX SIR 09.0131X CSA 2310046 GOST-R POCC GB.FB06.B00853 LLOYDS 10/00056 RMRS 09.00784.011
<b>IP Rating:</b>	IP66 & IP68 (100 metres for 7 days) & NEMA 4X 6P
<b>Impact Resistance:</b>	20Nm (Aluminium 7Nm)
<b>Operating Temperature:</b>	O-ring - None -100°C to +400°C O-ring - Nitrile -30°C to +100°C O-ring - Silicone -60°C to +200°C
<b>Materials:</b>	Brass, Stainless Steel or Aluminium
<b>Plating:</b>	Nickel - Zinc



#### Example Part Numbering (See below for details)

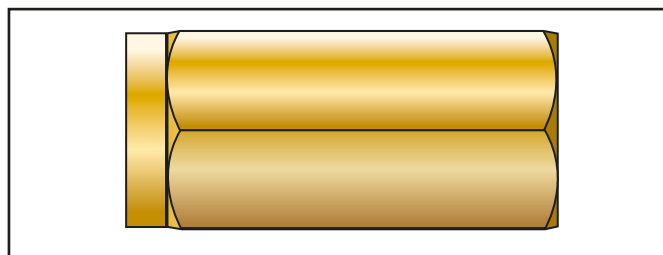
ARMM1BF/NP/M20/M20

<b>ARMM</b>	Male to Male Adaptor
<b>1</b>	No IP O-ring (0) - Nitrile (1) - Silicone (3)
<b>B</b>	Brass (B) - Stainless Steel (S) - Aluminium (A)
<b>F</b>	Ex d & Ex e certification
<b>NP</b>	Nickel Plated (NP) - Zinc Plated (ZP)
<b>M20</b>	Male Entry Thread
<b>M20</b>	Male Entry Thread
<b>Optional Accessories</b>	[N/V] IP Washers Nylon [N] (ACNSW) / Fibre [V] (ACFSW)
	[T] Earth Tag Brass (ACBET) / Stainless Steel (ACSET)
	[L] Locknut Brass (ACBLN) / Stainless Steel (ACSLN)
	[S] Serrated Washer Stainless Steel (ACSSW)

### ARFF Series Female x Female Adaptors

"ARFF" Series Certified Female x Female Adaptors provide a method of matching electrical thread forms on Ex equipment whilst maintaining Ex d, Ex e, Ex tb and Ex nR methods of explosion protection. Approved for use in mining and surface installations they maintain IP66 & IP68 for IEC type applications and Class I Division 1 and NEMA 4X for CEC type applications..

<b>Compliance Standard:</b>	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & 60529
<b>Certification:</b>	ATEX I M2 II 2GD Ex d I&IIC Mb Gb / Ex e I&IIC Mb Gb/ Ex tb IIIC Db II 3GD Ex nR IIC Gc IECEX Ex d I&IIC / Ex e I&IIC / Ex tb IIIC / Ex nR IIC CSA Class I, Division 1 Groups A, B, C & D Class II, Groups E, F & G; Class III GOST-R Ex d I&IICU / Ex e I&IIU / Ex nRIIU
<b>Marine Approvals:</b>	LLOYDS Enclosure Systems - Part 1B RMRS Part XI of Rules for sea-going ships (ed.2008)
<b>Certificate No.</b>	ATEX SIRA 09ATEX1322X & SIRA 09ATEX4323X IECEX SIR 09.0131X CSA 2310046 GOST-R POCC GB.FB06.B00853 LLOYDS 10/00056 RMRS 09.00784.011
<b>IP Rating:</b>	IP66 & IP68 (100 metres for 7 days) & NEMA 4X 6P
<b>Impact Resistance:</b>	20Nm (Aluminium 7Nm)
<b>Materials:</b>	Brass, Stainless Steel or Aluminium
<b>Plating:</b>	Nickel - Zinc



#### Example Part Numbering (See below for details)

ARFF0BF/NP/M20/M20

<b>ARFF</b>	Peppers Type Code
<b>0</b>	No IP O-ring (0)
<b>B</b>	Brass (B) - Stainless Steel (S) - Aluminium (A)
<b>F</b>	Ex d & Ex e certification
<b>NP</b>	Nickel Plated (NP) - Zinc Plated (ZP)
<b>M20</b>	Female Entry Thread
<b>M20</b>	Female Entry Thread

- Notes:**
- \* Assembly instructions must be read prior to installation and adhered to in full.
  - \* For Ex d applications female threads must comply with clause 5.3 of IEC 60079-1
  - \* For Ex nR applications parallel entry threads must be installed with a suitable entry thread seal
  - \* ATEX / IECEX versions are supplied as standard. If additional approvals are required they must be requested at time of order.
  - \* Where applicable the standard O-ring material is nitrile. Other options are available upon request.
  - \* Aluminium versions are not suitable for Group I Mining application.