

Product Type ARMM & ARFF - (Metallic Adaptors)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68
Class I Div 1 : AEx e : AEx ta

Part No's:

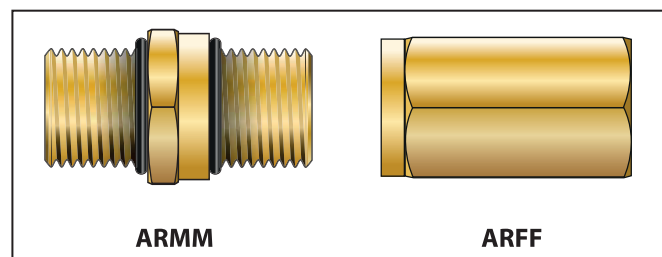
A	R	MM	0	B	F
		FF	1	S	
			3	A	



"ARMM & ARFF" Series Certified 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 (except Aluminium) 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 metric threads are fitted with a nitrile O-ring as standard.

Compliance Standard:	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 C22.2 (see certificate), UL514B, UL1203, ANSI/UL 60079-0/1/7, ISA 60079-31, UL 50E
Certification:	<p>ATEX I M2 II 2GD Exd I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc</p> <p>IECEX Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc</p> <p>CEC - Canada Class I Zone 1 Ex d IIC / Ex e IIC / Class II Zone 21 Ex tb IIIC Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X</p> <p>NEC - USA Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb / Class II Zone 21 AEx tb IIIC Db Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X</p> <p>EAC Exd IU / Exd IICU / Exe IU / Exe IIU / ExnR IIU</p> <p>INMETRO - Brazil Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex tb IIIC Db / Ex nR IIC Gc</p> <p>SAC - China Ex d IIC / Ex e IIC</p> <p>UKRAINE Exd IU / Exd IICU / Exe IU / Exe IIU</p> <p>CCoE - India Ex d IIC Gb / Ex e IIC Gc</p> <p>ABS Specified ABS Rules</p> <p>LLOYD'S Enclosure Systems (Part 1B)</p> <p>RMRS Part XI of Rules for sea-going ships (ed.2014)</p>

Certificate No.	ATEX	SIRA 09ATEX1322X & SIRA 09ATEX4323X
	IECEX	IECEX SIR 09.0131X
	CEC - Canada	CSA 2310046
	NEC - USA	CSA 2310046
	EAC	RU C-GB.ГБ06.В.00098
	INMETRO - Brazil	NCC 13.2189 X
	SAC - China	NEPSI GYJ16.1404X
	UKRAINE	UA.TR.047.C.0408-13 & 2937
	CCoE - India	PESO P365300/9 & P365300/12
	ABS	14-LD1183401-PDA
	LLOYD'S	10/00056(E1)
	RMRS	14.02755.315



Example Part Numbering

ARMM1BF/NP/M20/M25

ARMM or ARFF	ARMM = Male x Male - ARFF = Female x Female
1	No IP O-ring (0) - Nitrile (1) - Silicone (3)
B	Brass (B) - Stainless Steel (S) - Aluminium (A)
F	Ex d & Ex e certification including Marine Approvals
NP	Nickel Plated
M20	Male or Female Entry Thread
M25	Male or Female Entry Thread

ARFF part numbers will always contain the "0" as this product cannot be fitted with O-rings
For ARMM always quote the smallest thread first so the product is an Adaptor not Reducer
Accessories are available for ARMM series

IP Rating: IP66 & IP68 (100 metres for 7 days) & NEMA 4X

Impact Resistance: 20Nm (Aluminium 7Nm)

Operating Temperature:
O-ring - None -100°C to +400°C
O-ring - Nitrile -30°C to +100°C
O-ring - Silicone -60°C to +200°C

Materials: Brass, Stainless Steel or Aluminium

Plating: Electroless Nickel

Male and Female Thread References and Size information can be found on page TR-1 of our product catalogue.
Adaptor and Reducer size information is available on pages TR-2 & TR-3 of our product catalogue.

Male and female threads are manufactured in accordance with:-
ISO Metric threads to ISO 965-1, ISO 965-3, BS3643 and IEC 60423
NPT and NPS threads are in accordance to ANSI B1.20.1
PG threads to DIN40430
ET threads to Imperial Conduit BS31
ISO Pipe Parallel to ISO 228 and BS2779 (BSPP, G, R, PF & Tpy 6)
ISO Pipe Taper to ISO 7-1 and BS21 (BSPT, Gc, Gk, Rk, PT & Kmpy 6)

- 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.
 - Additional approvals 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 applications.