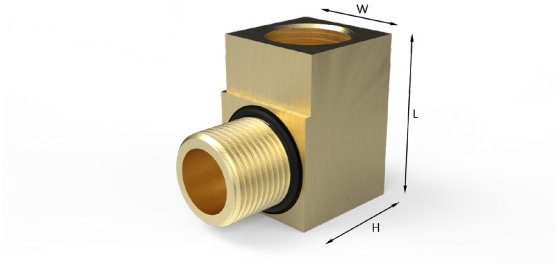
PRODUCT TYPE ARMR & ARFR

Metallic 90 Degree / Right Angle Adaptors

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Div 1 : AEx db : AEx eb : AEx ta



PRODUCT DESCRIPTION

"ARMR" & "ARFR" Series Dual Certified Right Angled Adaptors are designed to protect cables when installed in confined spaces where the cable may otherwise be subject to excessive bending and / or stress. The series is available with Male/Female or Female/Female connection threads. They are approved for Ex db, Ex eb, Ex ta and Ex nR methods of explosion protection whilst maintaining IP66, IP68 for IEC type applications and Class I Division 1, and Type 4X/6P for NEC/CEC type applications. All external parallel threads are fitted with a nitrile O-ring as standard.

COMPLIANCE STANDARDS:

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

EXAMPLE PART NUMBERING: ARMR1BF/NP/M20/M20

AR	Thread converting Adaptor
MR	Male/Female Right Angled (MR) - Female/Female Right Angled (FR)
1	No IP O-ring (0) - Nitrile (1) - Silicone (3) (Only available on ARMR)
B	Brass (B) - Stainless Steel (S) - Aluminium (A)
F	Multiple Certification
K-V-H	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
T	Including Earth Tag
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
M20	Male Entry Thread
M20	Female Entry Thread

ARFR part numbers will always contain the "0" as this product cannot be fitted with O-rings.

IP RATING:	IP66, IP68 (100 metres for 7 days) & Type 4X/6P	
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	

ALSO AVAILABLE IN 30 DEGREE AND 45 DEGREE CONFIGURATIONS
APPROVALS MAY VARY PLEASE CONTACT US FOR DETAILS

CERTIFICATION:

UKEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
	II 3G Ex nR IIC Gc
ATEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
	II 3G Ex nR IIC Gc
IECEx	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
CEC - Canada	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
	Class I Division 1, Groups A, B, C & D
	Class II Division 1, Groups E, F & G
	Class III, Type 4X/6P
NEC - USA	Class I Zone 1 AEx db IIC Gb / AEx eb IIC Gb / Class II Zone 20 AEx ta IIIC Da
	Class I Division 1, Groups A, B, C & D
	Class II Division 1, Groups E, F & G
	Class III, Type 4X/6P
EAC	Ex d I Mb U / Ex d IIC Gb U / Ex e I Mb U / Ex e II Gb U / Ex nR II Gc U / Ex ta IIIC Da
INMETRO - Brazil	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
CCC - China	Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex nR IIC Gc / Ex tD A20
UKRAINE	I M2 Ex db I Mb / Ex eb I Mb /II 2GD Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIIC Db
	II 3G Ex nR IIC Gc
CCoE - India	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
RS - Russia	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex tb IIIC

CERTIFICATION No:

UKEX	CML 21UKEX1040U & CML 21UKEX4041U
ATEX	CML 19ATEX1091U & CML 19ATEX4093U
IECEx	IECEx CML 19.0023U
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2190 U
CCC - China	2021312313000375
UKRAINE	CЦ 18.0319 X
CCoE - India	PESO P494321/3 & P494321/12
ABS	20-LD1944057-PDA
LLOYD'S	LR2124442TA
RS - Russia	19.00189.278

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Size	Bore	Height	Length	Width
M16 x M16	10.0	38.1	27.0	25.4
M20 x M20	14.0	38.1	27.0	25.4
M25 xM25	18.0	44.5	37.0	31.8
M32 x M32	24.0	50.8	45.0	38.1
M40 x M40	32.0	63.5	52.0	50.8
M50 x M50	41.0	72.0	67.0	60.0
M63 x M63	53.0	90.0	83.0	75.0
M75 x M75	64.0	102.0	94.0	88.0
M80 x M80	69.0	120.0	110.0	100.0
M85 x M85	73.0	125.0	115.0	110.0
M90 x M90	78.0	130.0	120.0	110.0
M100 x M100	88.0	140.0	125.0	130.0

NOTES

- Assembly instructions must be read prior to installation and adhered to in full.
- For Ex db 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.
- 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.
- Only products with Metric and NPT threads are marked with CSA approval.
- Brass products are not marked or intended to be used in Class I Division 1 installations.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to the general machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- Where approval in addition to UKEX, ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.