



# PRODUCT TYPE RA

## Metallic Rotating Adaptors and Reducers / Unions

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68



### PART NUMBERS:

RA	MF	O	B	F
	MM		S	
	FF			

**New Product**



### PRODUCT DESCRIPTION

"RA" Series Certified Rotating Adaptors & Reducers provide a method of matching electrical thread forms on Ex equipment whilst maintaining Ex db, Ex eb, Ex ta and Ex nR methods of explosion protection. Approved for use in mining and surface installations, they maintain IP66 & IP68 for IEC type applications.

### 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 & IEC 60529

EXAMPLE PART NUMBERING:  
RAMFOBF/NP/M20/M25

<b>RA</b>	Rotating Thread converting Adaptor/Reducer
<b>MF</b>	Male / Female (MF) - Male / Male (MM) - Female/Female (FF)
<b>O</b>	No IP O-ring
<b>B</b>	Brass (B) - Stainless Steel (S)
<b>F</b>	Ex db & Ex eb certification
<b>K-V-H</b>	Locknut & Nylon (K) - Fibre (V) - PTFE (H) IP Washer
<b>S</b>	Including Serrated Washer
<b>1</b>	Quantity per kit
<b>NP</b>	Nickel Plated
<b>M20</b>	Male Entry Thread
<b>M25</b>	Female Entry Thread

CERTIFICATION:

<b>ATEX</b>	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
<b>IECEX</b>	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc

CERTIFICATION NO.:

<b>ATEX</b>	CML 19ATEX1330X & CML 19ATEX4331X
<b>IECEX</b>	IECEX CML 19.0101X

OPTIONAL ACCESSORIES:

<b>IP Washers</b>	(N) Nylon (ACNSW) - (J) Fibre (ACFSW) - (Z) PTFE (ACPSW)
<b>Earth Tag</b>	(T) Brass (ACBET) - St-Steel (ACSET)
<b>Locknut</b>	(L) Brass (ACBLN) - St-Steel (ACSLN)
<b>Serrated Washer</b>	(S) Stainless Steel (ACSSW)

<b>IP RATING:</b>	IP66 & IP68 (100 metres for 7 days)
<b>OPERATING TEMPERATURE:</b>	Washer - None -60°C to +135°C Washer - Fibre -40°C to +95°C Washer - Nylon -40°C to +135°C Washer - PTFE -60°C to +135°C
<b>MATERIALS:</b>	Brass or Stainless Steel
<b>PLATING:</b>	Electroless Nickel

**Male and Female Thread References and Size information can be found on page 40 of our product catalogue. Adaptor and Reducer size information is available on request sales@peppers.co.uk.**

**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.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the general machining techniques and parts 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.