

When selecting Ex certified accessories for use in hazardous areas, it is important to ensure that the product selected not only performs the task required (i.e. adapting the thread), but also maintains the overall integrity of the equipment into which it will be fitted.

To help with the selection of Redapt products, we have prepared the following as a guide. However, when selecting equipment for use in hazardous areas, the appropriate national or international standards or codes of practice must be considered.

Product approvals (see page 8)

Redapt products are manufactured to comply with the relevant standards for which they are designed. This means Redapt products meet with the exacting standards found within hazardous area environments. To assist in ease of use, the Redapt range of adaptors, reducers, stopping plugs and breather drains are approved Exd I and IIC and Exe I and IIC and tested to IP66 and IP68.

Equipment certificates, Ex thread adaptors and Ex stopping plugs

Redapt adaptors and reducers with metric female threads (Ex adaptors) and full range of stopping plugs (Ex stopping plugs) are certified as apparatus and granted equipment certificates. This means that they can be fitted into Ex apparatus enclosures without further certification.

Component certificates

Redapt adaptors and reducers with non-coaxial threads, 90 degree adaptors, 90 degree swivel adaptors and breather drains are certified as components, and as such require further approval before they can be fitted to Ex apparatus enclosures. This applies to all products that have a 'U' at the end of the certificate number.

Worldwide compatibility

Keeping pace with the rapidly changing approvals and to ensure worldwide compatibility, Redapt has the following approvals: North American Ex approvals for both methods of hazardous location classification, Zones and Divisions in addition to our existing CENELEC approvals. Redapt can therefore offer adaptors and reducers Exd I and IIC and Exe I and IIC and/or Class I, Division 1, groups A, B, C, D, or Exe II, Class I, Division 2, etc.

Ingress protection (see page 9)

To ensure that the ingress protection of the equipment is maintained, the accessories need to satisfy the same level of protection as the equipment. The Redapt Exd I and IIC and Exe I and IIC range of adaptors, reducers, stopping plugs and breather drains are fitted with an integral o-ring seal and have been independently tested to IP66 and IP 68.

Material

To ensure the long-term integrity of the installation, care should be taken in selecting the product material; in particular, taking into account any corrosive atmosphere present and/or the potential for corrosion brought about by mating dissimilar metals. As standard we supply brass, which is suitable for most applications. In certain atmospheres, most notably ammonia, or to avoid bi-metallic corrosion and electrolytic action, it may be advisable to select an alternative material or request plated brass.

Thread fit, gauging and length

Parallel threads are gauged to a medium fit (6g, 6H) and are manufactured to provide a minimum of eight full threads, unless otherwise specified. Tapered threads are gauged and dimensioned to provide for five fully engaged threads, unless otherwise specified.

Part numbering system (see page 10)

When ordering or inquiring about adaptors and reducers, the male thread size should always be quoted first, followed by the female.

Dimensions

It is advisable to check the dimensions of the product to ensure that it can be installed into the equipment without fouling. Dimensions are given in the catalogue for regular metric size products; for other dimensions or information, please contact us. *Please note that dimensions are subject to change.*

Product marketing





















To ensure clarity the relevant product information is marked on the product, and/or shown on the packaging and/or within the installation instructions.

European directives

Products approved within the ATEX directive will be shipped with detailed installation instructions. The CE mark is applied to the packaging and confirms that Redapt products meet with the essential health and safety requirements of the applicable European directives.

Redapt products are outside the scope of the Electromagnetic Compatibility Directive (EMC) as they are passive.

Product type

		IECEX				
		IECEX	ATEX Gas & Dust	ATEX Mining (M2 only)	North America	Russia
Adaptors and reducers (metallic)		■	■	■	■	■
Adaptors and reducers (nylon)		■	■		■	■
Swivel adaptors		■	■	■		■
'Y' adaptors 'T' adaptors		■	■	■		
90 degree adaptors		■	■	■	■	
Male to male female to female (IECEX only) adaptors		■	■		■	■
Insulated adaptors			■			■
Cable gland stopper boxes		■	■			■
Unions			■		■	■
Stopping plugs (metallic) (check individual plugs for certification)		■	■	■	■	■
Stopping plugs (nylon)		■	■		■	■
Breather drains Exe		■	■	■	■	■
Breather drains Exde		■	■	■		
Earth lead adaptors		■	■		■	■
Threaded earth plates			■			
Flexible conduit stopper boxes		■	■			■
Flexible conduit	