

WRGM ATEX & IECEx Approved MICC glands



Products within our ATEX range under SIRA Licence SIRA02ATEX1305X & IECEx SIR 19.0051X			
Gland Size and Cable Type	Gland Size and Cable Type	Gland Size and Cable Type	Gland Size and Cable Type
WRGM2L1/20	WRGM1H2.5/20	WRGM1H240/40	WRGM3H16/25 & 40
WRGM2L1.5/20*	WRGM1H4/20	WRGM2H1.5/20	WRGM3H25/40
WRGM2L2.5/20*	WRGM1H6/20	WRGM2H2.5/20	WRGM4H1.5/20
WRGM2L4/20	WRGM1H10/20 & 25	WRGM2H4/20 & 25	WRGM4H2.5/20 & 25
WRGM3L1/20	WRGM1H16/20 & 25	WRGM2H6/20 & 25	WRGM4H4/25
WRGM3L1.5/20*	WRGM1H25/20 & 32	WRGM2H10/25 & 32	WRGM4H6/25 & 32
WRGM3L2.5/20*	WRGM1H35/20 & 32	WRGM2H16/25 & 40	WRGM4H10/25 & 32
WRGM4L1/20	WRGM1H50/25 & 40	WRGM2H25/32 & 40	WRGM4H16/32 & 40
WRGM4L1.5/20*	WRGM1H70/25	WRGM3H1.5/20	WRGM4H25/40
WRGM4L2.5/20*	WRGM1H95/25	WRGM3H2.5/20 & 25	WRGM7H1.5/25
WRGM7L1/25	WRGM1H120/32	WRGM3H4/20 & 25	WRGM7H2.5/25
WRGM7L1.5/25	WRGM1H150/32	WRGM3H6/25	WRGM12H1.5/32
WRGM7L2.5/25	WRGM1H185/32	WRGM3H10/25 & 32	WRGM12H2.5/32
			WRGM19H1.5/40

Also used in twisted range (T) cables

NOTES:

Wrexham Mineral Cables (WMC) brass externally threaded compression Ring Type Glands hold both ATEX & IECEx approval and can be used with suitable Certified Apparatus in Zone Classification 1 and 2 for use in potentially explosive atmospheres. As the equipment does not dissipate any energy they are not marked with a temperature classification or temperature rating. However they are intended to be mounted within a service temperature range, at their point of entry, between -20°C to +450°C. Depending on cable size our range of glands are supplied with 20mm, 25mm, 32mm & 40mm threads are manufactured in accordance with BS EN 60702-2.

These ring type glands are specifically approved for apparatus (type of protection 'd') Zones 1 & 2, Groups IIA, IIB and IIC. Along with apparatus (type of protection T) zones 20, 21 & 22, groups IIIA, IIIB & IIIC. In compliance with EN 60079-0, EN 60079-1 and EN 60079-3 under SIRA License SIRA02ATEX1305X & IECEx SIR 19.0051X . The WMC cable gland system contains embossed information including the matching cable size and the following markings II 2G 1D, Ex db IIC Gb and Ex Ta IIIC Da WMC

WMC glands are designed to be used in conjunction with Wrexham Mineral Cables seal kits. Some gland sizes are dependent on the type of seal used, plain or earth tail.

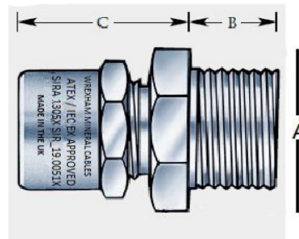
Dimensions

GLAND SIZE	A (mm)	B (mm)	c (mm)	Thread (mm)
WRGM 20mm	22	13	20.5	1.5
WRGM 25mm	21.7	13	26	1.5
WRGM 32mm	36.1	13	26	1.5
WRGM 40mm	46.1	13	26	1.5

Cable entry size = 0.1mm > matching bare mineral cable diameter.

Typical Torque Settings of Glands

GLAND SIZE	TORQUE VALE (Nm)
WRGM 20mm GLAND	20
WRGM 25mm GLAND	30
WRGM 32mm GLAND	40
WRGM 40mm GLAND	50



Explosion Protection				
Type of Protection	Zone	Apparatus Grouping	Gland Ref:	Seal Ref:
Flameproof (Ex'd)	Zone 1 & 2	IIA, IIB & IIC	WRGM	WRPS, WRPSL

Potentially explosive atmospheres Zone description

Zone 1 - In which an explosive Gas-Air mixture is Not Likely to occur in Normal Operation.

Zone 2 - In which an explosive Gas-Air Mixture is Not Likely to occur in Normal operation, and if it occurs it will exist only for a short time.

Hazardous area products and their terminations

Wrexham Mineral cables will take reasonable steps to ensure the user / installer complies with the special conditions for safe use in accordance with the latest ATEX Directive. It places responsibility on manufacturers of flameproof equipment to supply products that comply with specified ATEX/IECEx classifications, as determined by the end-user.

Installation shall be carried out by suitably trained personnel in accordance with the latest IEE wiring regulations and the applicable code of practice e.g. EN 60079-14. Inspection and maintenance of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-17. Repair of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-19

Degree of Ingress Protection

The electrical installation, when carried out in an area which is dusty, damp or likely to be wet, must use equipment and boxes suitable for the conditions in which they are to be installed. For threaded entries a rating of IP54 can be achieved by tightening the Wrexham glands in the recommended manner. Wrexham Mineral cables have achieved ATEX approval rating to IP54.

Under testing of these products it was found IP rating could be achieved to IP6x. By assessing your requirements and the environment the glands are to be fitted we can confirm is suitability of your product. For clarity on IP ratings please contact us. A rating of IP67 may be achieved with Wrexham glands using a sealing washer and thread sealant. However, the surface finish, variations in wall thickness, dimensional tolerances and quality of the entry hole of the enclosure can adversely affect the IP Rating and may revoke the ATEX approval of our products.