Reliable®

EPDM Gaskets for Reliable Grooved Products
(Models RGD1, RCD1, FA1, MTT2, MTG1, and 041)

Product Description

Reliable's grooved product gaskets are fit-for-purpose to meet installers' fire protection system needs. All coupling gaskets come with two separate pre-lubrication treatments applied during the manufacturing process to prevent pinching during installation; when this approach is applied to the elastomer compound that provides improved ease-of-installation in low temperature environments, it provides a versatility to installers that is unprecedented in the fire protection industry.

Reliable uses embedded pre-lubrication in all grooved product gaskets as a standard feature, unlike manufacturers where embedded pre-lubrication is only provided in certain products. Embedding lubricants in the gasket material prior to molding allows the lubricant to coat all surfaces of the gasket with a friction-reducing lubricant that improves ease of installation and reduces the potential for the gasket to pinch between the coupling housings. Reliable grooved coupling gaskets also have a secondary dry powder lubricant to allow installers to visually verify that the gasket is lubricated.

All grooved coupling gaskets are pre-lubricated at the factory using two separate lubrication systems to aid in prevention of gasket pinching during proper installation of grooved couplings:

- An "embedded" lubricant that is mixed into the rubber prior to molding
- A dry powder lubricant applied to the surfaces of finished gaskets prior to coupling assembly

An installer, at their discretion, may apply supplemental lubricant to further improve resistance to gasket pinching and / or improving sealability for low-temperature dry-pipe systems. All supplemental lubricants should be a petroleum-free, EPDM-compatible silicon lubricant, and lubrication should be applied to coupling gaskets in accordance with the Reliable grooved product installation guide available here.

Reliable Grooved EPDM Gaskets Technical Data

Gasket Geometries Available
- Standard C-shaped profile (RGD1, FLX1, RCD1)
- Flush gap profile (RGD1)
- Push-on profile (QRS1)
- Product-specific profile (MTG1, MTT2, 041, FA1)

Gasket Lubrication Type:
- Embedded lubricant during mixing of rubber (all products)
- Powder surface lubricant applied after molding (couplings only)

Gasket Qualifications
- All gaskets are qualified as part of the product qualifications defined by UL 213 and FM 1920
- All gaskets are qualified for use in wet and dry pipe fire protection systems

Special Features
- Rigid (Model RGD1) and flexible (Model FLX1) grooved coupling gaskets of the same size are identical and interchangeable.

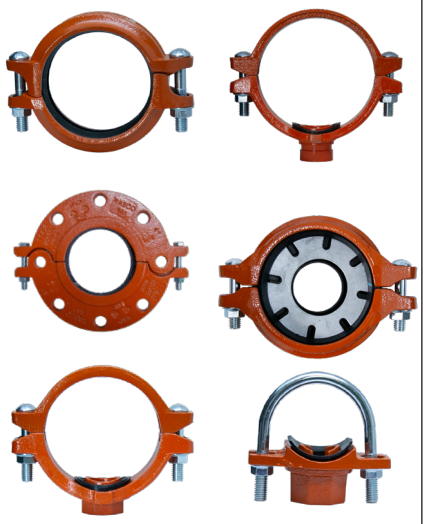

Table A

Manufacturer of Grooved Product Gasket	Applications	Gasket Material	Gasket Material Grade	Temperature Range	Embedded Lubrication in Coupling Gaskets	Powder Lubrication on Coupling Gaskets	Embedded Lubrication in Gaskets for Other Products	Listed for Dry Pipe Systems
Reliable Low-Temp EZ Installation Coupling Purple-Stripe Gasket	RGD1 and FLX1 couplings with purple sticker applied to box	EPDM	Grade E Type A	-40° F to 150° F (-40° C to 66° C)	✓	✓	N/A	✓
Reliable Standard Service Green-Stripe Gasket	All QRS1 push-on couplings, RGD1 and FLX1 couplings without purple sticker applied to box, all other gasketed fittings	EPDM	Grade E	-40° F to 230° F (-40° C to 110° C)	✓	✓	✓	✓
Competitor A Green Stripe	Varies	EPDM	Grade E	-30° F to 230° F (-34° C to 110° C)	x	x	x	x
Competitor B Green Stripe	Varies	EPDM	Grade E	-40° F to 230° F (-40° C to 110° C)	x	x	x	x
Competitor A Purple Stripe	Varies	EPDM	Grade E Type A	-30° F (-34° C) to Unspecified	✓	x	x	✓

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