

FIREPRO

FIRE PROTECTIVE BUILDING PRODUCTS

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CI/SfB

B302, B303 & B304 DATASHEET - AUG08

Product specifications can change. Contact us to ensure you have our latest datasheet

B302 - Heat Guards

Firepro B302 Heat Guards are circular mesh surrounds required to meet the insulation criteria when fire rating walls and floors penetrated by metal pipes such as steel water and sprinkler pipes. The Heat Guards are most commonly used in conjunction with Firepro B309 Pipe Fire Wraps which maintain the fire rating of the wall or floor whilst allowing for vibration, deflection and other pipe movements.

The B309 Pipe Fire Wraps allow movement with fire integrity but the temperature of the metal pipe on the non fire side can still rise hundreds of degrees.

The B302 Mesh Heat Guard allows heat to dissipate from the pipe, holding combustible material away and fulfills the insulation criteria in conjunction with B309 for full fire resistance rating (FRL/FRR).

	Diameter	Height
B302-346-110	110mm	250mm
B302-534-170	170mm	250mm
B302-723-230	230mm	250mm

Fire Rating

B302 Heat Guards are tested for up to 2 Hours Fire Rating on steel pipes up to 100mm I.D. further tests are pending.

B309 Wraps are fire tested for up to 4 Hours integrity on steel pipes and 2 Hours on copper pipes. See Table 1 or the Firepro B309 Data Sheet for details.

Installation

(1) Select correct Heat Guard size taking the pipe diameter plus 60mm to allow 30mm clearance on all sides of the pipe. For seismic requirements on pipes larger than 40mm I.D. allow 100mm minimum clearance (50mm on all sides).

Where core holes are larger than above, additional allowance must be made as the diameter of the Heat Guard can not be less than the diameter of the hole.

(2) Bend flat mesh into a circle and join with 3 "D" clips provided.

(3) Bend fixing lugs at right angles and attach with steel fixings provided.

B303 and B304 - Steel Bands

Firepro B303 Steel Bands are primarily used in conjunction with Firepro B305, B306 and B309 Fire Protection Pipe Wraps.

B303 Steel Pipe Bands consist of a curved galvanised Steel strip 140mm long. The strip has a tongue at one end a slot at the other. B303 is designed for use primarily in walls.

B304 is similar to B303 but available in 2 lengths, pre-curved, has two tongues and slots, and two fixing lugs. B304 may be used in walls or floors. B304-120 is 120mm long, the B304-200 is 200mm long. The 120mm version is available ex-stock.

For details of the use and installation of the B303 and B304 with Firepro B305 and B306 Pipe Wraps, see Firepro's B305 and B306 Data Sheet. Note that a few occasionally used pipe sizes may require shortening the B303 or B304 Pipe Band with tin snips.

When used with B309D and B309V it is not necessary to lock the B303 or B304 Band closed if the cored hole closely fits the steel band. If it is necessary to lock the steel band some sizes of bands will need shortening with tin snips.

Note - Any spaces between B303 and B304 and the wall or floor must be sealed with Firepro M707 to maintain fire integrity, insulation and smoke stopping. Any space in the gap occupied by the B309 Wrap between the steel band and the pipe must be sealed with Firepro M707 to maintain smoke stopping.

