



CERAMIC CLAMPS

TECHNICAL BULLETIN

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ETI has developed a ceramic clamp range that has for practical purposes, in its listed application, an unlimited fire rating. This has been done because the ETI system is an engineered system that is designed to higher standards and expectations than pre-engineered fire systems. Most clamps used today by competitors in their pre-engineered fire systems are only of plastic construction. Many customers have reported that these have completely failed when exposed to a fire.

PHOTO 1



Photo 1 shows an actual plastic clamp recently exposed to a small fire. Note that the plastic is completely destroyed and non functional.

Clamps normally hold critical components in place, such as fire sensors and nozzle arrangements. This failure when exposed to fire is not acceptable for an engineered fire system. ETI has therefore developed a superior engineered ceramic clamp that is purpose made for this application, as per the list below.

PART	DESCRIPTION
CLAMP06	CERAMIC FIRE RATED CLAMP 6MM
CLAMP12	CERAMIC FIRE RATED CLAMP 12 MM.
CLAMP20	CERAMIC FIRE RATED CLAMP 20 MM.
CLAMP25	CERAMIC FIRE RATED CLAMP 25 MM.

PHOTO 2 - ETI CERAMIC CLAMP





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IMPORTANT TECHNICAL NOTES.

1) The ETI ceramic clamps are made from a high strength specially compounded porcelain. As such, they can be broken by over tightening. The listing assessment established that the tightening torque on the M-6 bolts, must be in the range of 6 to 8 Newton/Meters N/m.

2) These clamps are made at ETI and have currently been listed with the Inspection Services Body (ISB) and will be the recognised listed and approved product. It is important to note that under Australian Standard AS-5602, the use of unlisted components will make it non compliant and will also void warranty.

Yours Truly

A handwritten signature in black ink, reading "L D Waldon".

LEIGH WALDON
Chairman and Technical Director
PT. ETI Fire Systems