



# Qar.X DATA-SHIM

## The shim with built-in memory



LAMECO is the first to incorporate an electronic identifier inside the laminated shim, allowing it to communicate.  
 Principle: a chip is inserted within the shim's layers. Next, the chip is encoded with the shim's identity.  
 From that moment on, the information contained in the chip can be deciphered by a hand-held reader.

### SECURITY

The electronic identifier is not rewritable: information regarding the Qar.X DATA-SHIM<sup>® (1+2)</sup> cannot be falsified.

- It is **physically inviolable**: any attempt to extract the chip will cause it to self-destruct.
- It **solves the problem inherent in stamp-marking**: the shim's identification disappears with its top layer, as many leaves as desired may be peeled, without risking the loss of their identifying data.

The electronic identifier provides protection against collision with other chips that could be present in the system.

### FLEXIBILITY

The electronic identifier can be remote-read:

- When the Qar.X DATA-SHIM<sup>®</sup> is installed;
- When the equipment in which it is located is in service.

### SIMPLIFICATION

Assembly as well as maintenance are simplified. As a matter of fact, a general reader makes it possible to identify all Qar.X DATA-SHIM<sup>®</sup> present in a unit of equipment.

Thus one ascertains that:

- The correct number of LAMECO laminated shims is installed;
- Each one of these is properly placed;
- The list of parts to be ordered is accurate and complete.

(1) QAR.X DATA-SHIM<sup>®</sup> — Trademark registered.

(2) Europe: Patent No. EP 1 615 764 B1,  
 Canada: Patent No CA 2 522 861 C,  
 USA: Patent pending.

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## CONCERNED SHIMS

The electronic identifier can perfect all your composite material shims - INTERCOMPOSITE®, X.FIBER®, DUOPEEL®, X.FIBER HIGH-DENSITY®, PEEKPEEL®, the CURVPEEL® range in composite - and this, from a minimum total thickness of 2 mm/.079 inch.

## TRACEABILITY & PAPERLESS DOCUMENTATION

If you wish, in addition to each part's identity, we are able to record on the chip its entire traceability.

Paperless documentation, such as the Delivery Order, Inspection Report, Statement of Conformity, becomes a reality.

Thus, inspection, acceptance, storage operations are made easier, and any danger of documents loss is averted.



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