

Product Advisory – Burton and Seacon Connector Compatibility**Compatibility & Interchangeability of Burton & Seacon Connectors**

There have been issues reported where Gemini sonars have been used in installations and test environments and connected using differing connectors that do not match the sonar. Dependant on the model of Gemini Sonar and requirements at the time of ordering, the unit may come fitted with either Seacon 55 series or Burton 55 series flange connectors. Although very similar to each other, tolerances and small design details may result in compatibility problems between the differing manufacturers.

How can I tell what connector(s) I have fitted to the sonar ?

The standard connectors fitted to the Gemini 720is sonars are a Seacon 5506-1508 on the Main port and a Seacon 5506-1506 on the Aux port



Seacon 55 series connectors fitted to a Gemini 720is sonar

These will have SEACON etched on the side face of the flange connector

The standard connectors fitted to the Gemini 620PD, Gemini NBI and a small number of older Gemini 720is sonars is the Burton 5506-1508 flange connector on the Main port and Burton 5506-1506 on the Aux port.

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Burton 55 series connectors fitted to an older Gemini 720i's sonar

The 8 pin Main connector will typically have BURTON etched on the side of the flange and the part number 34746739-1, and the 6 pin Aux connector part number 34746780-1.

How can I tell which cable connector I have ?

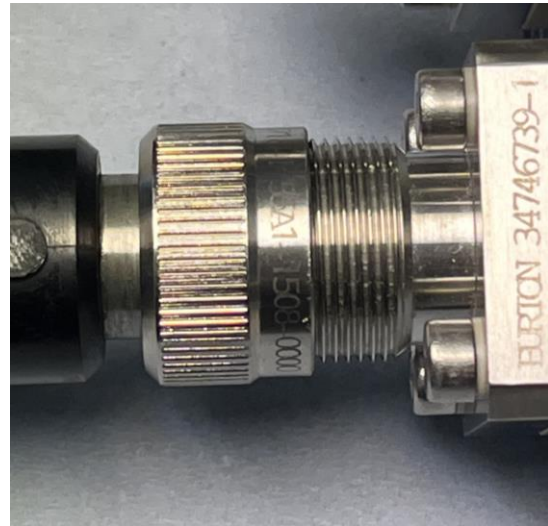
The Seacon connector will typically have a dark anodised aluminium screw cover that extends to the end of the connector block. When the connection is correctly made-up the screw cover will almost fully screw onto the flange connector with only 1-2 threads showing.



Seacon 55 series cable connector, and made up to the flange connector.

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The Burton connector will typically have a short silver (stainless steel) screw cover that only extends part way down the connector block. When the connection is correctly and fully made-up the screw cover will only make up by 2-3 threads onto the flange connector leaving a large amount of threads exposed.



Burton 55 series cable connector, and made up to the flange connector.

If you have any questions or are unable to identify the specific connection on your Tritech equipment please contact technical support at support@tritech.co.uk with full details, including part and serial number of the equipment for further assistance.

What should I do ?

Although the connectors from the two different manufacturers appear visually compatible, Tritech recommend only Burton cable connectors be used with equipment fitted with Burton flange connectors, and Seacon cable connectors with Seacon fitted equipment.

Tritech do not give any assurance of the correct or safe functioning of any Tritech equipment when connected using differing manufacturers cable connectors to that fitted to the equipment. Loss of function or damage to equipment being operated in this situation is not covered under the equipment warranty.

Tritech can supply unterminated whip and test cable assemblies with Seacon or Burton cable connectors. Please contact your normal sales channel or Tritech direct at sales@tritech.co.uk for price and availability.