

Detonation Interruption Device

Expro's Detonation Interruption Device (DID) is utilised in conjunction with perforating guns to separate the firing device from the ballistics until exposed to a specified downhole temperature.

Features:

In this application, the ballistics are effectively isolated from the detonation train until thermally armed at a specified BHT by the melting of the eutectic metal that is contained within the DID.

In the unlikely event that the firing device was prematurely actuated at or near the surface, the eutectic metal within the DID will block the detonation.

After the eutectic metal has liquified, the firing train is armed and ready for detonation.

When retrieved from the well without actuation of the ballistics, the eutectic metal in the DID will solidify and again isolate the ballistics from the detonation train.

Specifications:

Assembly part number AM-DI-0338-0000

Maximum OD	3.500 inch [88.9 mm]
Temperature rating of Eutectic metal standard	117°F (47°C) - other melting points available on special request
Minimum recommended BHT	140°F (60°C)
Tensile rating	225,000 lbs.
Make-up length	48"
Pressure rating	20,000 PSI collapse
Thread connections	2.812" ACME

* Other sizes available on request.

