

# D-TECT

Totally Eddy Current Tested

## Heavy plates for sour service linepipe tested on the occurrence of Local Hard Zones

### Specification DH-E85-A, edition June 2020

Dillinger is capable to roll large quantities of heavy plates produced with the Thermo-Mechanical Controlled Process (TM or TMCP) case by case supported by Accelerated Cooling (ACC) for Longitudinally Submerged Arc Welded (LSAW) pipes for sour service applications. Plates for these applications are tested on the occurrence of Local Hard Zones (LHZ) and are branded as **D-TECT: Dillinger - Totally Eddy Current Tested**.

### Scope of specification

D-TECT is applied on plates up to yield strength class 485 MPa resp. 70 ksi for LSAW pipes for sour service according to the prevalent standards such as ISO 3183, API 5L, DNV GL ST F101 and multiple customer or project specifications.

The delivery condition is TM resp. TM+ACC. D-TECT plates can be delivered according to the Dillinger delivery program.

### Testing

Dillinger is detecting LHZ with an automatic in-line inspection device based on eddy current technology on the entire top and bottom surface of the uncut mother plate. This ensures that 100 % of the surface of each delivered plate is tested.

The system is capable of detecting LHZ with a minimum size of 20 mm x 20 mm on the surface. If a LHZ is detected, it will be removed by light grinding within the specified thickness tolerance.

Hardness levels defined in the specifications referring to LHZ can be met.

In addition, the same test can also be performed with a hand-held system as a back-up.

## Order example

Grade API 5L X65MS / D-TECT

## General note

If particular requirements are demanded and not covered in this specification, please contact us with the specifications for our review and agreement prior to ordering. The information in this specification is a product description. This specification is updated as occasion demands. The latest version is available from the mill or as download at [www.dillinger.de](http://www.dillinger.de).

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## Contact

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