

## INSTRUMENTATION LANCE TRANSPORT DEVICE

### Incore instrumentation

New tool to ease the handling of instrumentation lance (IL) and reduce the risk of damaging fingers.

#### Challenge

At the moment there is no dedicated device to handle a new introduced instrumentation lance inside the reactor building. The instrumentation lance is transported with the polar crane and attached via load attachment ropes. This current form of transport could lead to damages of the instrumentation lance (unwanted Exchange Instrumentation/Aeroball Measurement System finger bending).

#### Solution

Framatome offers a new device for safe and easy transport of instrumentation lance inside reactor building.

Made of stainless steel material, the device is suitable to be used in the nuclear power plant.

The instrumentation transport device is a mechanical tool, that attaches to the yoke of instrumentation lance, to ensure an alignment within the center gravity. This alignment, stabilizes the instrumentation lance from tilting during transport, therefore minimizes the damage risk of the fingers.

The transport device is adjustable to all yoke types of EPR instrumentation lances and easy to be demounted after use.

The compact design of the device enhances the transport freedom and easy storage.

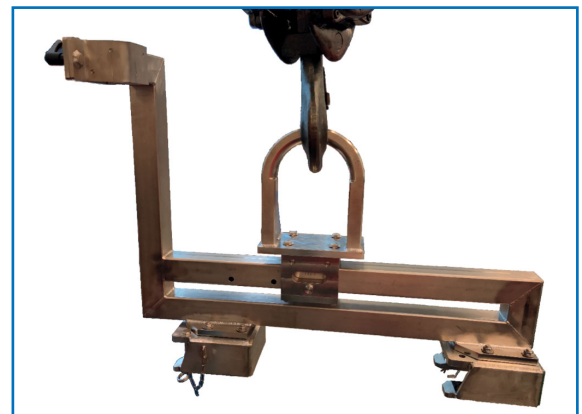


Figure 1: Transport Device of IL

#### Technical information

- Easy to attach on the yokes of EPR instrumentation lances
- Adjustable for all yoke types of EPR instrumentation lances
- Made of stainless steel material

#### Customer benefits

- Easy handling of instrumentation lance
- Risk minimization
- Cost saving

#### References

The Transport Device was qualified at Instrumentation Lance manufacturers workshop in Karlstein with EPR Lance dummies. (04/2022)

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is **our** everyday **commitment**

#### Key figures

- **Risk minimization**
- **Applicable for all EPR Projects**

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