

Nondestructive Examination Services

J-slot Pole System Kit

Background

The J-slot pole system kit is intended for the handling and operation of smaller equipment in the reactor cavity and/or associated pools.

The poles and associated tooling are not considered lifting tools as such but rather used for positioning, maintenance and retrieval of other equipment such as inspection manipulators and any potential foreign material exclusion objects.

Description

The J-slot pole system kit includes different modular tools for specific activities and a pneumatic control panel for operating. The system is delivered with poles of different lengths plus storage and handling stands for poles during operation in the reactor vessel/cavity. A standard kit includes the following items:

- 14 long plus 3 short handling poles
- One storage stand for up to 20 individual poles
- One handling stand for a single pole during operations
- One pneumatic control panel for up to four separate tools
- One gripper tool for retrieval/handling of small objects
- One nipping tool for cutting thin lines or ropes
- Two hook tools, one long and one short L-shaped hook

- One straight pin to be shaped to fit special needs
- One pole eyelet for securing of poles by rope/wire to bridge
- One spare J-slot module for customized tooling
- Storage cases for all items except the long poles
- Pneumatic hose for gripper/nipper tools, including spare
- Load testing and penetrant testing-inspection certificates of pole welds
- Handling and maintenance instructions



Technical Data	
Handling Poles	
Length long pole segment	2,665 mm
Length short pole segment	1,074 mm
Weight long pole segment	1.7 kg
Weight short pole segment	0.8 kg
Maximum load pole	54 kg
Storage Stand	
Pole capacity	20 pc
Maximum operating load	35 kg
Handling Stand	
Pole capacity	1 pc
Maximum operating load	54 kg

Specifications subject to change

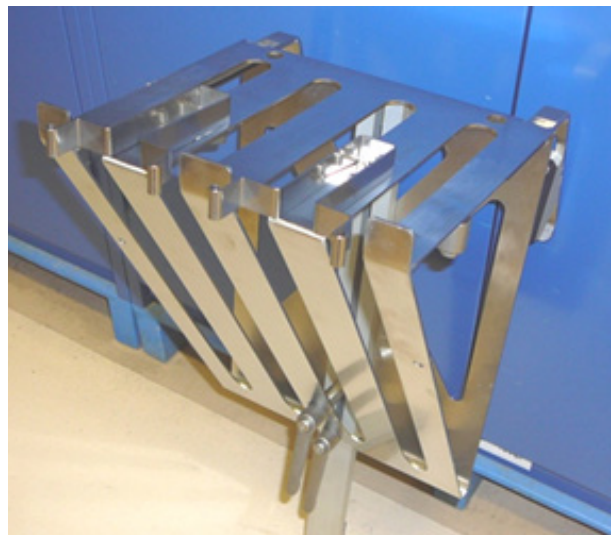
Benefits

Enables quick and unscheduled in vessel activities and as such reduces impact on critical path caused by unforeseen events.

The L-shaped hooks are well suited for minor adjustments of items in the vessel such as cabling.

Experience

The J-slot system has been used successfully in the field since 2010 and is continuously improved and extended.



Storage stand

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