

# Subs, Cross-Over Adapters & Pipe Threads

Jay Miller – JT Miller LLC

Nels Wickander – Wickander & Assoc

Grant Pettit – Bureau Veritas

.



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX

# Types

- Cross-over
- Bottle Neck
- Saver
- Weeper
- Spider
- Float Valve Sub ( Check Valve )



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Cross-over Sub



## Underground Infrastructure Conference

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Bottle Neck Cross-Over Sub



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Saver Sub



## Underground Infrastructure Conference

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Weeper Sub



## Underground Infrastructure Conference

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX





# Spider Sub



## Underground Infrastructure Conference

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Float Valve Sub ( Check Valve )



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX





# Pipe Threads Treatment

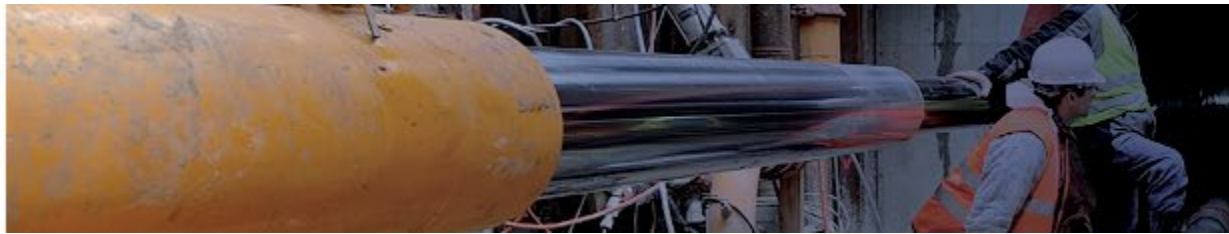
- Phosphate
- Shot Peen ( non-mags )
- Copper Sulphate Solution
- C – Plate
- Dry-Moly Lube



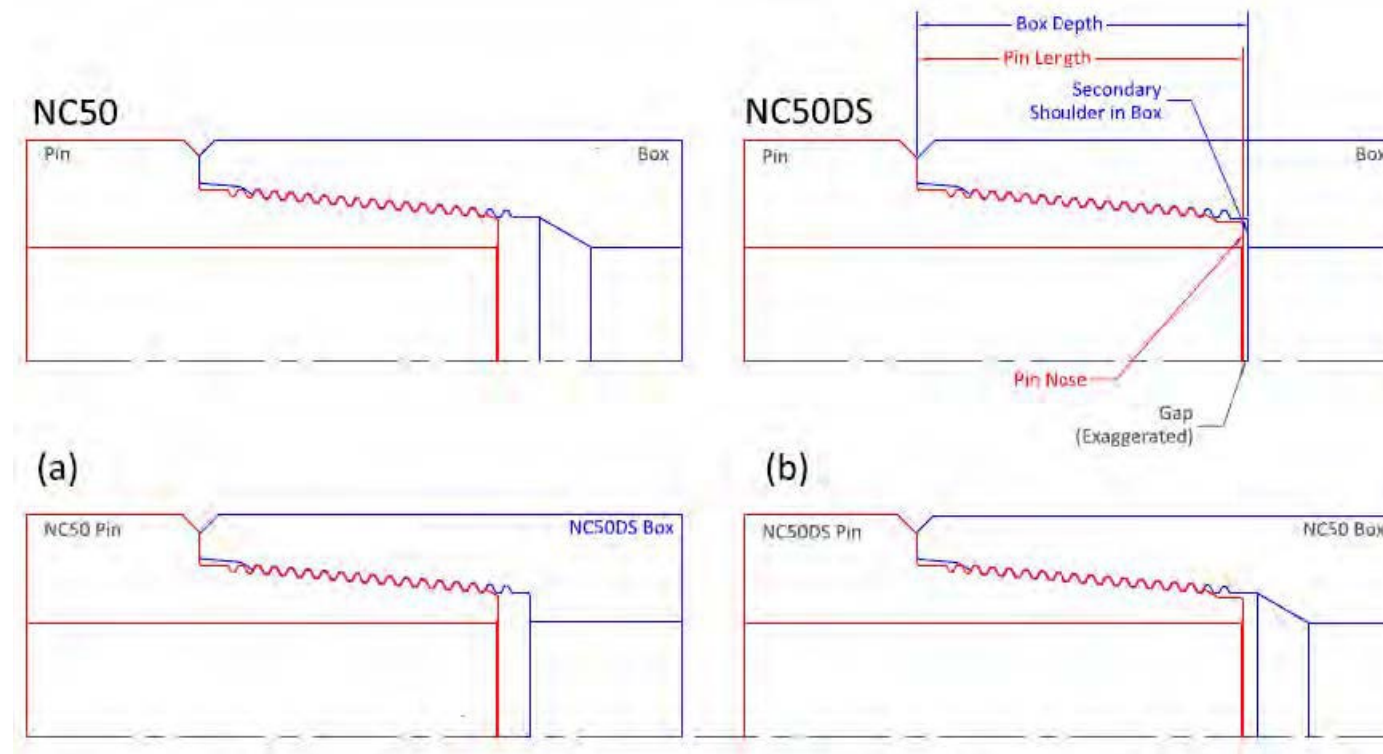
**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX



# Interchangeability



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX





# Identification & Traceability



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX





# Questions?



**Underground Infrastructure Conference**

Construction. Rehabilitation. Asset Management.

March 4-6, 2025 | Houston, TX

