

Isolation Tool Type “D”

The UMS Flowell Isolation Tool Type “D” is designed to seal in both the Top Nipple and the Bypass Nipple seal bores above and below the Y-tool, to allow bull heading of fluids through the Bypass whilst the ESP assembly is fully isolated. By straddling the Y-tool, the Isolation Tool ensures that the ESP leg is remote from all fluids.

The Isolation tool is also used in dual Y-tool ESP applications to isolate the upper ESP when running the lower ESP system. A lock on the Top Nipple prevents the isolation tool from being pumped out of the seated position.

The Isolation Tool is deployed and retrieved using standard Otis GS type running tools.

FEATURES & BENEFITS

- Compact design
- Jar down to set
- Jar up to release
- Combination of seal sizes from 2.812” to 1.875”
- Internal fish neck for running / pulling
- Locking dogs for “D” type Top Nipple

SPECIFICATIONS

- 5000psi MWP
- Up to 350°F with elastomers
- 17-4 PH Stainless Steel with Tuftride QPQ finish
- Viton or Aflas seals as standard



Technical Specifications - Isolation Tool Type “D”

Isolation Tool Type “D”					
Part Number	Upper Seal Diameter (in)	Lower Seal Diameter (in)	Nominal Internal Fish Neck Diameter	Running / Pulling Tool	Nipple Profile
IT-225X187-01	2.250	1.875	1-1/2"	1-1/2" OTIS GS	Type D
IT-225X212-01	2.250	2.125	1-1/2"	1-1/2" OTIS GS	Type D
IT-231X187-01	2.312	1.875	1-1/2"	1-1/2" OTIS GS	Type D
IT-256X231-01	2.562	2.312	2"	2" OTIS GS	Type D
IT-275X231-01	2.750	2.312	2-1/2"	2-1/2" OTIS GS	Type D
IT-275X262-01	2.750	2.625	3"	3" OTIS GS	Type A
IT-275X2562-01	2.750	2.562	2-1/2"	2-1/2" OTIS GS	Type D
IT-281X275-01	2.812	2.750	2-1/2"	2-1/2" OTIS GS	Type D
IT-3125X2875-01	3.125	2.875	2-1/2"	2-1/2" OTIS GS	Type A
IT-3812X3812-01*	3.812	3.812	3"	3" OTIS GS	Type D
IT-3812X3812-02**	3.812	3.812	3-1/2"	3-1/2" OTIS GS	Type D

*Bottom No-Go

**Bottom No-Go, Early Set Prevention



Isolation Tool Type “A”

The UMS Flowell Isolation Tool Type “A” is designed to seal in both the Top Nipple and the Bypass Nipple seal bores above and below the Y-tool, to allow bull heading of fluids through the Bypass whilst the ESP assembly is fully isolated. By straddling the Y-Tool, the Isolation Tool ensures that the ESP leg is remote from all fluids.

The Isolation tool is also used in dual Y-tool ESP applications to isolate the upper ESP when running the lower ESP system. A lock on the Top Nipple prevents the isolation tool from being pumped out of the seated position.

The Isolation Tool is deployed and retrieved using standard Otis GS type running tools.

FEATURES & BENEFITS

- Compact design
- Jar down to set
- Jar up to release
- Combination of seal sizes from 2.812” to 1.875”
- Internal fish neck for running / pulling
- Locking dogs for “A” type Top Nipple

SPECIFICATIONS

- 5000psi MWP
- Up to 350°F with elastomers
- 17-4 PH Stainless Steel with Tuftride QPQ finish
- Viton or Aflas seals as standard



Technical Specifications - Isolation Tool Type “A”

Isolation Tool Type “A” Superior				
Part Number	Upper Seal Diameter (in)	Lower Seal Diameter (in)	Nominal Internal Fish Neck Diameter	Running / Pulling Tool
SIT-225X187-01	2.250	1.875	1-1/2"	1-1/2" OTIS GS
SIT-225X212-01	2.250	2.125	1-1/2"	1-1/2" OTIS GS
SIT-231X187-01	2.312	1.875	1-1/2"	1-1/2" OTIS GS
SIT-256X231-01	2.562	2.312	2"	2" OTIS GS
SIT-275X231-01	2.750	2.312	2-1/2"	2-1/2" OTIS GS
SIT-275X262-01	2.750	2.625	3"	3" OTIS GS
SIT-275X2562-01	2.750	2.562	2-1/2"	2-1/2" OTIS GS
SIT-281X275-01	2.812	1.750	2-1/2"	2-1/2" OTIS GS

