

## Blitz Shifting Tool

The Hydraulic Blitz Shifting Tool is operated with both up and down shifting keys in a collapsed position. Keys are activated and engaged by pumping at a set rate. The Blitz Shifting Tool is often used with the bidirectional Hard Hit Hammer and Suppressor to overcome difficult to shift sleeves and maximize success.

### Features and Benefits

- Thermal capable
- High and low rate-capable
- Can be used on coiled tubing and drillpipe
- Available for all most profiles (commonly O5s B)
- API connections
- Flow Activated
- Hardened locking dogs
- Available in multiple sizes
- Ability to open and close sleeves in single trip
- Adjustable safety shear



## Blitz Shifting Tool

### Operational info

ACTIVATION METHOD	HYDRAULIC
CONNECTION	1 1/2 AMT
MIN ACTIVATION PRESSURE (PSI)	250
WEIGHT (LBS/KG)	78/35.5
NACE SERVICE	NO
MAX TOOL OD KEYS COLLAPSED	2.720 IN (69.09 mm)
SLEEVE STYLE	TYPE B

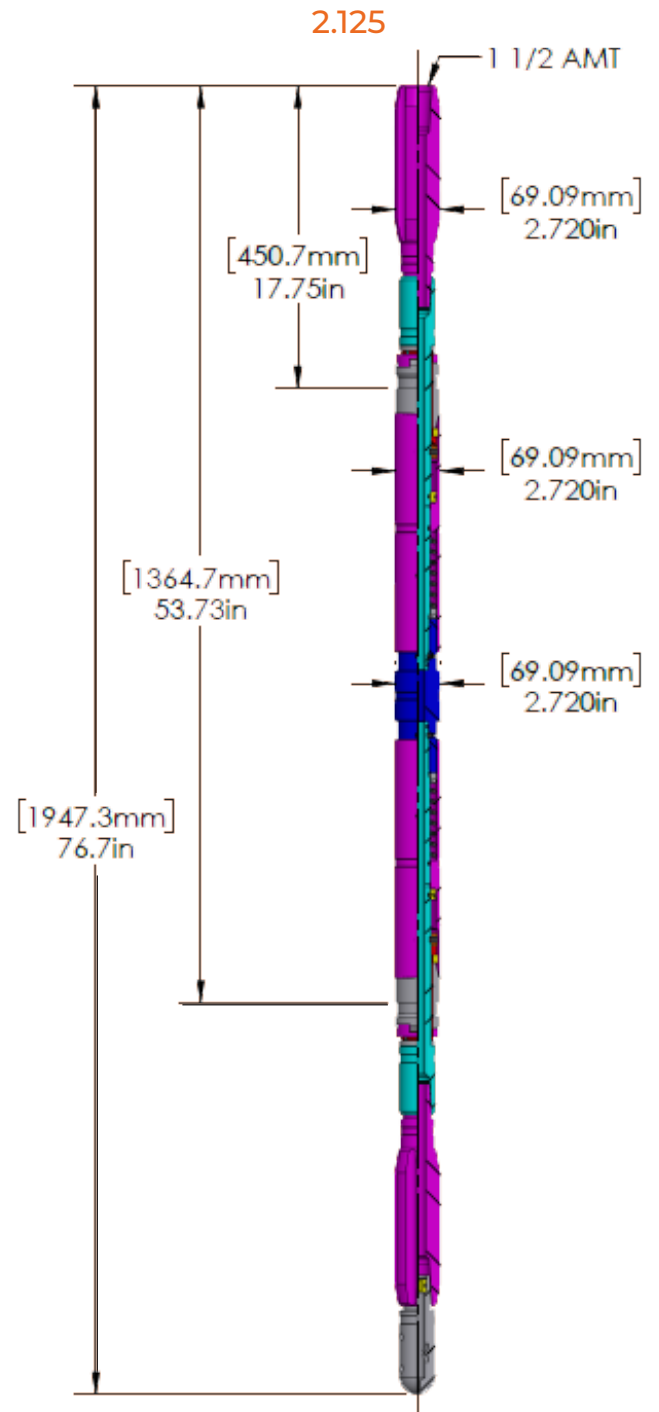
### Official Flow Data

NOZZLE SIZE (IN)	SHIFT FLOW RATE (L/MIN)
1/4	70
5/16	105
3/8	150
7/16	200
1/2	260

### Door Size Chart

DOOR SIZE (IN)	KEYS EXPANDED OD MIN (IN)
2.750	3.020
2.813	3.020
3.313	3.620

\*Equipment subject to change without notice.



## Blitz Shifting Tool

### Operational info

ACTIVATION METHOD	HYDRAULIC
CONNECTION	2 3/8 PAC
MIN ACTIVATION PRESSURE (PSI)	TBD
WEIGHT (LBS/KG)	117/53.2
NACE SERVICE	NO
MAX TOOL OD KEYS COLLAPSED	3.375 IN (85.73 mm)
SLEEVE STYLE	TYPE B

### Official Flow Data

NOZZLE SIZE (IN)	SHIFT FLOW RATE (L/MIN)
1/4	TBD
5/16	TBD
3/8	TBD
7/16	TBD
1/2	TBD

### Door Size Chart

DOOR SIZE (IN)	KEYS EXPANDED OD MIN (IN)
3.437/3.562	4.080
3.688	4.070
3.750	4.150
3.813	4.120
4.313	4.250
4.562	4.520

\*Equipment subject to change without notice.

