

# DRILLING SAFETY VALVE

## Flapper Safety Valve

### Surface Flapper Safety Valve



We are introducing a series of innovative gas-tight non-return valves designed to address the current challenges in drilling operations. Our product line includes the **DT Surface Flapper Safety Valve** and the **DT Flapper Safety Valve**, both of which prioritize safety and efficiency through improved design and engineering.

The **DT Surface Flapper Safety Valve** and **DT Flapper Safety Valve** are advanced gas-tight non-return valves designed to enhance safety and efficiency in drilling operations. The **DT Surface Flapper** prevents backflow and features superior sealing and washout resistance, ensuring reliability and extending service life and primarily for use in BHA. The **DT Flapper Valve** offers versatility, improved flow characteristics, and enhanced pressure response and can used anywhere in the drillstring.

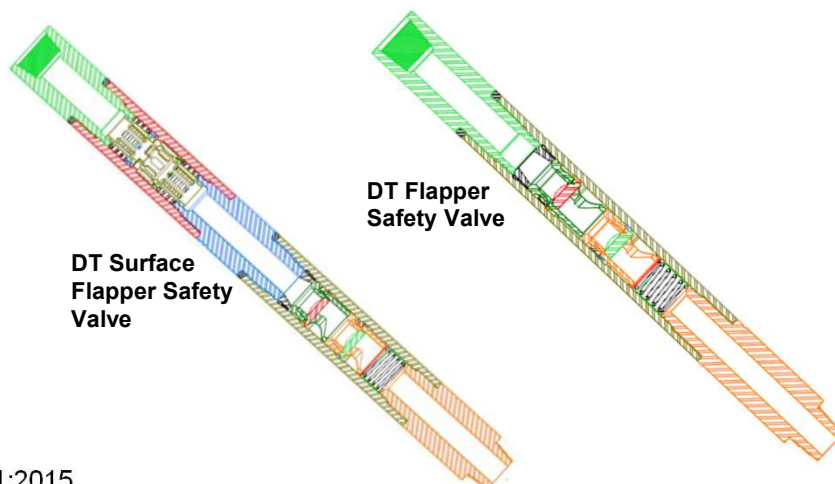
These valves undergo rigorous testing to ensure high performance, allowing operators to trust their well control systems. By focusing on cost-effective, high-value innovations, we address the critical challenges in modern drilling operations. Investing in these valves will enhance well control and provide peace of mind for your drilling projects.

### Features and Benefits

- Improved sealing
- Improved resistance to washout.
- Improved reliability.
- Enhance well control barriers.

### Testing and Certification

- DNVGL-OS-E101 certified.
- API Spec 7 Class 1b compliant.
- API Spec 7-1 compliant
- API Spec 7 NRV compliant.
- API RP7G compliant.
- Norsok D001/D010:2021 compliant
- Manufacture in accordance with ISO 9001:2015
- Patented in UK, EU and US.
- Most other drillstring NRVs and drilling valves do not meet these specifications and are not DNVGL-OS-E101 certified.



Type	Surface Flapper Safety Valve	Flapper Safety Valve
OD (in) (")	7" 8 1/4"	8 1/4" 7" 4 3/4"
ID (in) (")	2 3/4" (2 1/4" with lock open sleeve installed to allow 2 1/8" wireline tools to pass through) 2 3/4" (2 1/4" with lock open sleeve installed to allow 2 1/8" wireline tools to pass through)	2 3/4" 2 3/4" 1 5/16"
Lock-open Facility	Yes	No