

**SERVICE CLASS 2 RATED
API Spec 7-1, 2006**

KELLY VALVE FAMILY



The NEW GENERATION of Drillstring Safety Valves



Improve **SAFETY** on your Rigs

– *the new* ITAG Kelly Valves



New Generation of Kelly Valves

The ITAG Drillstring Safety Valves (DSSV) have been designed to improve Safety and Environmental protection on Onshore and Offshore Drilling Rigs.

It fulfills and exceeds the requirements for the API Service Class 2 (Surface and Downhole Service).

The new ITAG Kelly Valve has passed a very intensive prototype test exceeding by far the requirements of the Performance Verification Tests as described in API Spec. 7-1.

The test procedures and results have been published SPE/IADC paper 39320.

Multiple Services

Designed as manual and remote operated Topdrive Valve, upper and lower Kelly Valve and as Tubing String Safety Valve

Various Designs

Available as single or dual crank version and as dual ball configuration

Low Torque Design

For opening under differential pressure and closing under high flow rate

Longlife

Due to metal-to-metal sealing with special hardfacing on ball and seatrings

Gastight

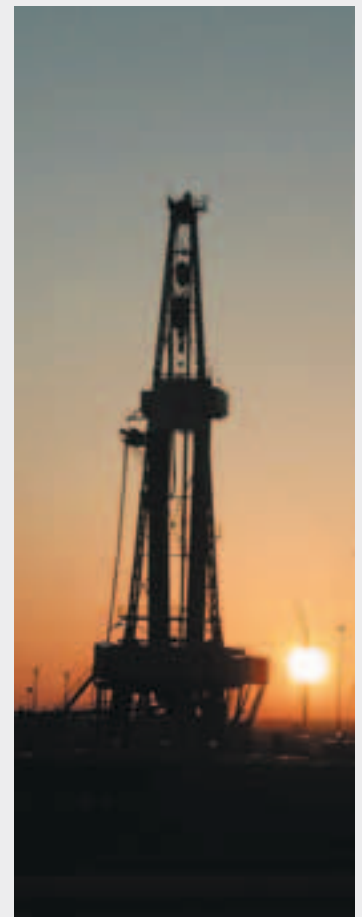
Under internal *and* external pressure

Bi-Directional Sealing

Under full working pressure from below or above

Improved Load Capacity

Verified by Finite Elements Analysis





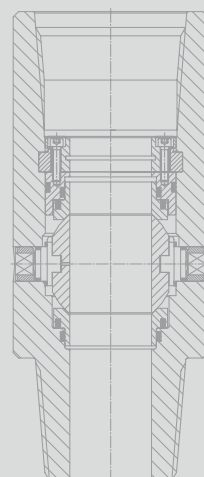
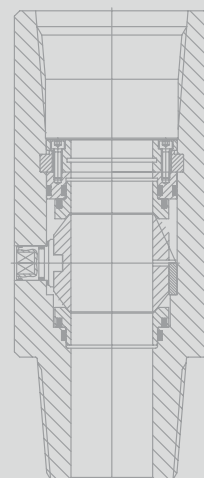
Pressure Rating
Up to 20.000 psi

Size Range
ID 1 3/4 INCH – 4 INCH
OD 4 3/4 INCH – 12 INCH

Connections
Rotary shouldered connections such as NC, REG, IF & FH or others on request

Customizations
are available on request

Scope of Delivery
Each ITAG Kelly Valve is shipped in a box with:
· thread protectors
· hexagon wrench
· certificates



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Company Profile

ITAG Valves and Oilfield Products GmbH (IVOP) is a company division of the privately owned Hermann von Rautenkranz Internationale Tiefbohr GmbH & Co. KG – ITAG.

ITAG was founded in 1912 and is involved in drilling for oil and gas, gas & oil concessions, specialist machining and product design and manufacturing, predominantly for the oil and gas industry.

IVOP, ITAG's valves and oilfield products division, is home of the rapidly developing wellhead division, and offers a complete range of pipeline ball valves as well as other oilfield related equipment.

IVOP's quality management system complies to the following certification: ISO 9001 - API Q1 - European Pressure Equipment Directive 97/23/EC. IVOP is official licensee of the API Monogram Program for API Specs 6A, 6D and 7-1.

Production Facilities

ITAG Valves & Oilfield Products runs a manufacturing plant in Germany with CNC machines, weld shop and equipment according to the latest state of the art.

Special purpose machines are capable of processing heavy parts over 20 tons, on fixed tables and rotating tables, for vertical bores and for horizontal bores.

Test benches enable pressure testing of sizes up to 60 in. bore diameter, pressure range is available up to 4000 bar.



ITAG site in Celle.
Celle was the „Home of Drilling in Europe“ since the first successfully drilled oil well was completed in 1858.



ITAG Rig 30,
A New Concept for a
Drilling & Workover Rig

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