

TOP DRIVE DRILL STEM SAFETY VALVES

Hi-Kalibre Equipment Top Drive Drill Stem Safety Valves (DSSV) are widely used for both blow out prevention and mud control during drilling operations. Our valves are in service in every oil producing country in the world, and on the biggest rigs in the world. Using our patented Dual Ball Valve, top drive manufacturers can now produce equipment with greatly reduce stack heights while maintaining independent blow out prevention functionality.



DESIGN FEATURES INCLUDE:

- One piece body with full drift bores
- Patented upper split ring and seat design for ease of equalization and improved serviceability
- Patented Dual Ball technology available, which incorporates two independent valves and single body
- Can be remotely actuated with our patented Rotary Hydraulic Actuator
- Balanced stem stop design for accurate, robust stopping and proper ball alignment
- Gas tight, metal to metal seat seals, in both directions
- Reduced stem diameters for low torque operation even under maximum pressure
- Removable inserts protect the stem seal areas in the body and provide maximum body life
- API Spec 8C tested and compliant configurations available
- NACE trim
- Available in a wide variety of sizes and end connections
- Reliable, field proven, serviceable design

Series	Top/Bottom Connection	ID/OD (")	Length (")	Pressure (psig)	Weight (lbs.)	Type	Alternate End Connection/Configuration
3067A-DB-FH-SER	4" FH NC40 BOX 4" FH NC40 BOX	2.19 5.38	27.50	10,000	118	DUAL BALL	
4146-XH-SERIES	4-1/2" XH NC46 BOX 4-1/2" XH NC46 PIN	2.81 6.94	27.38	10,000	180	SINGLE BALL	
4184A-DB-IF-SER	4-1/2" IF NC50 BOX 4-1/2" IF NC50 BOX	2.75 6.94	28.60	10,000	203	DUAL BALL	NC46
4185A-SDB-IF-SER	4-1/2" IF NC50 BOX 4-1/2" IF NC50 BOX	2.75 6.94	28.73	10,000	206	DUAL BALL	NC46
5185A-DB-RRH-SER	6-5/8" REG RH BOX 6-5/8" REG RH BOX	2.75 7.75	31.50	10,000	296	DUAL BALL	NC61, NC50
41XX-DC-SERIES	4-1/2" IF NC50 BOX 4-1/2" IF NC50 BOX	2.75 6.94	23.00	10,000	180	DUAL BALL	NC46, XT39 PIN
4165-DC-SERIES	6-5/8" REG RH BOX HT55 PIN	2.81 7.75	16.50	10,000	260	SINGLE BALL	NC61, 5-1/2 REG RH, NC50
5163-SERIES	6-5/8" REG RH BOX 4-1/2" IF NC50 PIN	3.06 7.75	29.00	10,000	250	SINGLE BALL	HT55 PIN, HT38 PIN, 6-5/8" FH, 5-1/2" FH, 7-5/8" REG RH
5171A-DC-SERIES	4-1/2" IF NC50 BOX 4-1/2" IF NC50 PIN	2.81 7.75	29.50	10,000	273	SINGLE BALL	
5184X-DC-RRH-SERIES	6-5/8" REG RH BOX 6-5/8" REG RH PIN	3.07 7.75	22.88	10,000	196	SINGLE BALL	
5193-RRH-SERIES	6-5/8" REG RH BOX 6-5/8" REG RH BOX	3.07 7.38	22.50	15,000	167	SINGLE BALL	
5385-NC61-DB-SER	NC61 BOX NC61 BOX	3.00 7.75	31.51	10,000	285	DUAL BALL	
6184X-DC-RRH-SERIES	7-5/8" REG RH BOX 7-5/8" REG RH PIN	3.50 9.00	23.13	10,000	265	SINGLE BALL	
6185-DB-NC70-SER	NC70 BOX NC70 BOX	3.50 10.00	35.50	15,000	580	DUAL	8-5/8" REG RH, NV77, 7-5/8" REG RH
816X-DC-SERIES	NC77 BOX NC77 PIN	4.00 10.00	19.63	15,000	357	SINGLE BALL	8-5/8" REG RH
816X-SDB-SERIES	NC77 BOX NC77 BOX	4.00 10.00	38.00	15,000	685	DUAL BALL	8-5/8" REG RH

Contact Hi-Kalibre Equipment for custom top drive drill stem safety valve sizes or configurations.

All top drive DSSVs can be mounted to Hi-Kalibre Equipment's rotary top drive actuator as well as other rotary actuator models, subject to engineering reviews.