



WELL MASTER

Produce more. Spend less.



BOTTOM HOLE BUMPER SPRING

THE SPRING DESIGNED FOR MODULAR FLEXIBILITY & EASE OF USE

APPLICATIONS

Used in **MOST** plunger lift wells that require a bottom hole spring/stop

FEATURES AND BENEFITS

- **PREVENTS** potential damage to the plunger by absorbing the plunger impact at the bottom of the well and holds fluid to prevent dry impact
- **ADDED STRENGTH** with our one piece rod design and stress relieved fish neck
- **CUSTOMIZABLE** to a variety of hold down methods including seating nipples, collar stops, tubing stops with available pack off swab cups
- **HEAT-RESISTANT** and standard fiber seat cups to prevent bumper spring from moving out of position (2 or 3 cup configurations)
- **AVAILABLE** in many fluid retention options including standing valve (STV) or multiple pressure relieving rating (SPR)
- **ACCURATE** placement of the tool in a tubing string

SEAT CUP SPRING ASSEMBLY

- **PREVENTS** the bumper spring from moving out of position
- Accommodates most leading seat nipple brands with multiple seat cup sizes available
- Enhanced seal with 2 seat cups
- Heat-resistant and standard fiber seal cups available

COLLAR STOP/TUBING STOP SPRING ASSEMBLY

- **ACCURATE** placement of the tool in tubing string
- **EXCELLENT** for use with gas lift assisted plunger lift (GAPL) with tubing & collar stop options
- **FLEXIBILITY** when location of downhole spring can vary

FLOATING SPRING ASSEMBLY

- **EASY RETRIEVAL** with a fishing plunger, saving money on wire line costs
- **MOVEMENT DECREASES** the chances of scale buildup and sand compaction



SCS2000ALM1XP

SCS2000FLM1

SCS2000ZLMS

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TECHNICAL SPECIFICATIONS

Part Family	Outside Tubing Dia. (in.)	Nominal Inside Tubing Dia. (in.)	Nominal Tubing Weight (lbs./ft.)	Tool Length (in.)	Nominal Tool Dia. (in.)	Tool Weight (lbs.)	Seat Cups
STANDING VALVE SPRING ASSEMBLY WITH PRESSURE RELIEF							
SPR2000ALM	2 3/8	1.995	4.70	23.32	1.900	9.0	Yes
STANDING VALVE SPRING ASSEMBLY							
STV2000ALM	2 3/8	1.995	4.70	22.93	1.900	9.0	Yes
STV2500ALM	2 7/8	2.441	6.50	22.5	2.320	15.0	Yes
STOP WITH VALVE ASSEMBLY							
SWV2000ALM	2 3/8	1.995	4.70	13.79	1.900	5.0	Yes
STOP ASSEMBLY							
STP2000ALM	2 3/8	1.995	4.70	13.70	1.900	4.0	Yes
SEAT CUP SPRING ASSEMBLY							
SCS1500ALM	1 1/2	1.650	2.40	19.50	1.500	6.0	Yes
SCS1700ALM	2 1/16	1.751	3.25	19.50	1.700	6.2	Yes
SCS2000ALM	2 3/8	1.995	4.70	22.50	1.900	8.6	Yes
SCS2500ALM	2 7/8	2.441	6.50	22.50	2.320	15.0	Yes
COLLAR STOP SPRING ASSEMBLY							
SCS2000FLM	2 3/8	1.995	4.70	27.25	1.735	9.0	N/A
SCS2500FLM	2 7/8	2.441	6.50	27.25	2.320	15.0	N/A
COLLET SPRING ASSEMBLY							
SCS2000CLM	2 3/8	1.995	4.70	21.67	1.900	7.0	N/A
TUBING STOP SPRING ASSEMBLY							
SCS2000BLM	2 3/8	1.995	4.70	30.25	1.735	10.0	N/A
SCS2500BLM	2 7/8	2.441	6.50	30.25	2.320	16.0	N/A
Materials of Construction:	Body: Standard construction 4140 steel; Alternate construction available in 17-4SS stainless steel or grade 5 Titanium Spring: Standard carbon steel spring or 304SS Cups: Standard fiber seal cups; High temperature composite also available						

Contact Well Master today to find out how we can help optimize your oil and gas well production.

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