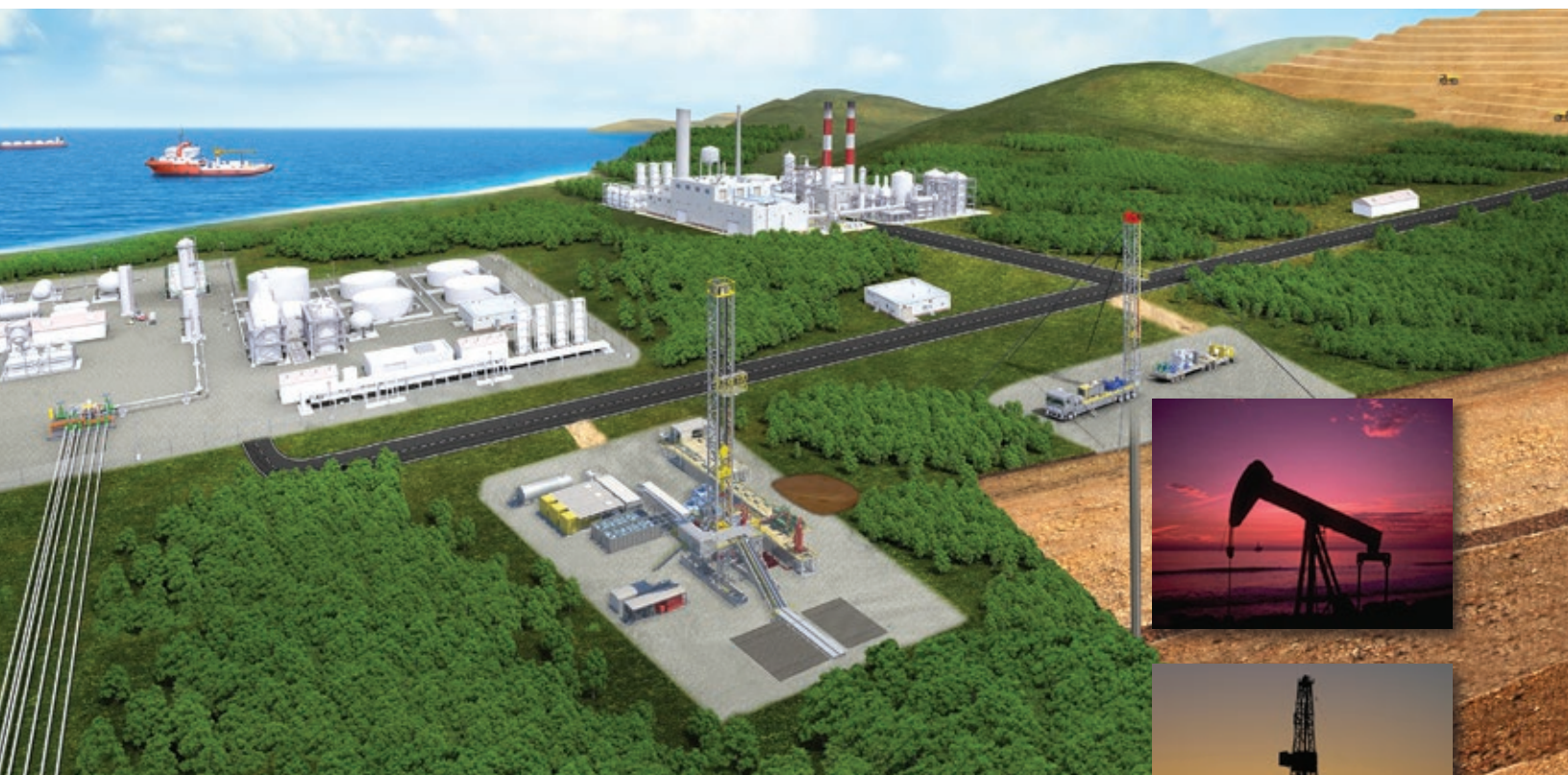


WELL SERVICING EQUIPMENT  
**OIL STATES™** Catalog



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For over 75 years, Oil States has provided a wide array of elastomeric and plastic products for the oil, gas, defense, construction and general industries.

Oil States maintains a high level of technical competency in engineering, development and manufacturing. As a result, the company today has an unequaled reputation for technical expertise, coupled with an overriding desire to develop unique and workable solutions to our customers' most difficult problems. This active pursuit of technology and creativity positions both the Oil States Product Line and its customers as leaders in the advancement of elastomeric science.

Contact Oil States today. We're ready to put our technology to work for you.

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## Swab Cups

### Type HL-HD Wire Cups\*

These wire cups are designated as HL or HD series for Heavy Load or Heavy Duty. The rugged cups are made of strong, flexible spring steel reinforcing wires inserted into an alloy steel base. This forms the "skeleton" for the tough body of special compounded oilfield rubber to make the ultimate cup for deep, heavy duty service. Available in sizes from 1¼" tubing through 7" casing.



HL-HD Wire Cup

### Type M Cups

The workhorse of the "all-rubber" type cups. The M series utilizes an ideal cup configuration, molded of a special long wearing rubber compound bonded to an aluminum or steel sleeve. Type M cups are recommended for deep, heavy duty jobs as well as medium load work. This is Oil States most popular "all-rubber" cup.



Type M Cup

### Type RTL Cups

Medium to light loads can be adequately handled by this rubber cup. Featuring either steel or aluminum insert sleeves, the RTL cup has a unique "dual lip" feature. The thin lip of the dual lip is the load lip and the heavier long lip is the supporting portion. The same tough Oil States compound used in the M series cups makes the RTL cup Rough, Tough, and Long lasting. Available in all popular sizes of tubing in both full size and undersize.



Type RTL Cup

### SD Series (Sand Devil) Cups

These highly efficient Oil States all-rubber sand swab cups are designed especially for use in problem wells where there is danger of "sticking" due to a high ratio of sand suspended in the fluid. They are also highly suitable for lifting light loads. The number of Sand Devil cups on a mandrel can be varied to fit specific conditions. Available in 2", 2½" and 3" tubing and 4½", 5½" and 7" casing sizes.



SD Series Cup (Sand Devil)

### Type SV Cups

SV type swab cups are ideal for use in wells where there is a high ratio of sand suspended in the fluid. These long-life cups are designed to fall fast to speed up swabbing and the flexible lips of the cup automatically expand under a load to compensate for wear. Available in 2", 2½" and 3" tubing sizes.



Type SV Cup

### Wireless Cups

These Oil States cups are of a wireless design for use as a long-wearing light load cup. Specially compounded heavy rubber cup walls molded around a metal base provide for long service life.



Wireless Cup

\*Patented

## Swab Cup Reference Charts

Tubing Data					Oil States Tubing Swab Cup Part Numbers										
Nominal Tubing Size (inches)	O.D. (inches)	lbs./ft.	I.D. (inches)	Joint Bored I.D. (inches)	Wire Type		M Type		RTL Type		SV Type		SD Type		Mandrel
					Part Number	Cup O.D.	Part Number	Cup O.D.	Part Number	Cup O.D.	Part Number	Cup O.D.	Part Number	Cup O.D.	
1¼	1.660	2.40	1.380		124-HL	1.30			124-R~	1.35					120
1½	1.900	2.90	1.610		154-HD	1.57			154-RTL~	1.58					150
		3.64	1.500		154-HY	1.49			154R-HY-AL	1.50					150
1¾	2.063	3.40	1.750		216	1.63			216-RTL~	1.66					150
2	2.375	4.60-4.70	1.995		204-HD**	1.92	M-2~	1.95	204-RTL~	1.96	204-SV~	1.96	204-SD	1.99	200, SJ-20, SJ-21
		4.70		1.945-1.920	204-HD**	1.92	UM-2~	1.93	204-RTL-U~	1.93					
		5.95	1.867	1.805	238-PH6	1.77	M-1~	1.76							150
2½	2.875	6.40-6.50	2.441		254-HD**	2.34	M-5~	2.39	254-RTL~	2.39	254-SV~	2.43	254-SD	2.43	250, SJ-25, SJ-26
		6.50		2.375	254-HD**	2.34	UM-5~	2.35	254-RTL-U~	2.35					
		7.90	2.323	2.265	278-PH6**	2.22	M-7~	2.24							200, SJ-20, SJ-21
		8.70	2.259	2.200	278-DP**	2.12	M-6~	2.17							
3	3.500	10.40	2.151		278-DP**	2.12			278-R-DP-AL	2.14					
		9.20	2.992		304-HL	2.97	M-3~	2.92	304-RTL-ST	2.98	304-SV~	2.96	304-SD	2.96	250, SJ-25, SJ-26
		10.30	2.922		304-HY**	2.83									
		12.95	2.750	2.687	350-PH6**	2.62									
		13.30	2.764		350-DP**	2.56			350R-DP-1~	2.73					
		15.50	2.602		350-DP**	2.56			350R-DP-2~	2.59					
4	4.000	9.50	3.548												250, SJ-25, SJ-26
		11.00	3.476						404-RTL-AL	3.50					

\*\* Sleeves recommended with these swab cups on SJ-20, SJ-21, SJ-25 or SJ-26 mandrels.

~ Available with steel or aluminum insert; all others available with steel insert only.

Casing Data				Oil States Casing Swab Cup Part Numbers							
Nominal Casing Size (inches)	O.D. (inches)	lbs./ft.	I.D. (inches)	Wire Type Standard		SD Type		W Type (Wireless)		RTL Type	
				Part Number	Cup O.D.	Part Number	Cup O.D.	Part Number	Cup O.D.	Part Number	Cup O.D.
4½	4.500	9.5-11.6	4.090-4.000	454-1	4.01	454-SD-ST	4.00	454-1W	4.12		
		13.5	3.920	454-2	3.91						
		15.1	3.826	454-3	3.73						
5	5.000	11.5-15.0	4.560-4.408	504-1	4.37						
		18.0	4.276	504-2	4.10					504B-RTL-AL	4.25
5½	5.500	14.0	5.012	554-1	5.00	554-SD-ST	4.95	554-1W	5.10		
		15.5	4.950	554-2	4.89						
		17.0	4.892	554-4	4.73			554-3W	4.99	554B-RTL-AL	4.87
		20.0	4.778	554-4	4.73						
7	7.000	17.0	6.538	704-1	6.52	700-SD-ST	6.47				
		22.0-23.0	6.456-6.366	704-2	6.30						
		26.0-29.0	6.276-6.184	704-3	6.14						



## Swab Mandrels

### Two Basic Types

Swab Mandrels from Oil States are available for use with wire or "all rubber" type swab cups. Wire type tubing and drill pipe swab cups (1¼" through 3½") can be used on the "all rubber" type mandrels by utilizing sleeves available from Oil States.

### Maximum Fluid By-Pass

Tubing and drill pipe mandrels are fluted, allowing maximum fluid by-pass while lowering the mandrel to swabbing depth. Steel mandrels are either machined or drop forged from high strength alloy steel. All mandrels exceed strength requirements for wire rope sizes recommended for use with mandrels.



120 or 150  
Tubing  
Swab Mandrel



SJ-21 or SJ-26  
Mandrel



SJ-20 or SJ-25  
Swivel  
Joint Mandrel

Tubing Mandrel for Wire of All Rubber Type Cups			
Model	Size (inches)	Components	Pin Size (inches)
120~	1¼	122-U Upper Section	⅝ S.R.
		122-L Lower Section	⅝ S.R.
		121-A Nose Guide	⅝ S.R.
150~	1½	151-U Upper Section	⅝ S.R.
		152-L Lower Section	⅝ S.R.
		151-A Nose Guide	⅝ S.R.

SKJ Series Knuckle Joint Swab Mandrels			
Model	Mandrel with Nut	Spacing Ring	Top Section ¾" Pin
SKJ-45, 1 CUP	SKJ-45 MANDREL 1-CUP	SKJ-45 RING	SKJ-55 TOP
SKJ-45, 2 CUP	SKJ-45 MANDREL 2-CUP	SKJ-45 RING	SKJ-55 TOP
SKJ-55, 1 CUP	SKJ-55 MANDREL 1-CUP	SKJ-55 RING	SKJ-55 TOP
SKJ-55, 2 CUP	SKJ-55 MANDREL 2-CUP	SKJ-55 RING	SKJ-55 TOP

Swivel Joint Mandrels			
Model	Size (inches)	Components	Pin Size (inches)
SJ-20	2	SJ-1 Adapter	¾ S.R.
		SJ-2 Upper Section	
		SJ-3 Lower Section	
SJ-21~	2	SJ-1 Adapter	
		SJ-6 Lower Section	
SJ-25	2½	SJ-1 Adapter	
		SJ-4 Upper Section	
		SJ-5 Lower Section	
SJ-26~	2½	SJ-1 Adapter	
		SJ-7 Lower Section	

\*\* For use with all Rubber Type Cups.

~ May be used with Wire Type Cups if sleeves are used.

## Swivel Rope Sockets - Engineering Data & Part Numbers

### Sure Swivel Rope Sockets - Fish Neck Grooves

Rope Sockets are constructed of high quality materials and are continuously checked for even the slightest defect. Fish neck grooves are incorporated on the upper neck and lower half of the type SS-1 rope sockets. These units are available for various wire rope sizes.



Rope Socket

Complete Assembly	Tubing Size	Wireline	Fishing Neck Size	Thread Size	Components
RS109696*	1"	5/16"	0.700"	5/16" - 12 N.C.	1 each: RS109600 0.825" x 5/16" Bottom 1 each: RS100096 0.8125" Top, 5/16" Wireline
SS115812	1 1/4"-1 3/4"	1/2"	1.000"	5/8" API Sucker Rod Thread	1 each: SS115800 1.1875" x 5/8" Bottom 1 each: SS110014 1.1875" Top, 1/4" Wireline
SS115814	1 1/4"-1 3/4"	3/4"	1.000"	5/8" API Sucker Rod Thread	1 each: SS115800 1.1875" x 5/8" Bottom 1 each: SS110012 1.1875" Top, 1/2" Wireline
SS115896	1 1/4"-1 3/4"	5/16"	1.000"	5/8" API Sucker Rod Thread	1 each: SS115800 1.1875" x 5/8" Bottom 1 each: SS110096 1.1875" Top, 5/16" Wireline
RS115896*	1 1/4"-1 3/4"	5/16"	1.000"	5/8" API Sucker Rod Thread	1 each: RS115800 1.1875" x 5/8" Bottom 1 each: RS110096 1.1875" Top, 5/16" Wireline
SS115858	1 1/4"-1 3/4"	5/8"	1.000"	5/8" API Sucker Rod Thread	1 each: SS115800 1.1875" x 5/8" Bottom 1 each: SS110058 1.1875" Top, 5/8" Wireline
SS135812	1 1/4"-1 3/4"	1/2"	1.1875"	5/8" API Sucker Rod Thread	1 each: SS135800 1.375" x 5/8" Bottom 1 each: SS130012 1.375" Top, 1/2" Wireline
RS135812	1 1/4"-1 3/4"	1/2"	1.125"	5/8" API Sucker Rod Thread	1 each: RS135800 1.375" x 5/8" Bottom 1 each: RS130058 1.375" Top, 5/8" Wireline
SS135814	1 1/4"-1 3/4"	3/4"	1.1875"	5/8" API Sucker Rod Thread	1 each: SS135800 1.375" x 5/8" Bottom 1 each: SS130014 1.375" Top, 1/4" Wireline
SS1358516	1 1/4"-1 3/4"	5/16"	1.1875"	5/8" API Sucker Rod Thread	1 each: SS135800 1.375" x 5/8" Bottom 1 each: SS1300516 1.375" Top, 5/16" Wireline
SS135896	1 1/4"-1 3/4"	5/16"	1.1875"	5/8" API Sucker Rod Thread	1 each: SS135800 1.375" x 5/8" Bottom 1 each: SS110096 1.375" Top, 5/16" Wireline
RS135896	1 1/4"-1 3/4"	5/16"	1.125"	5/8" API Sucker Rod Thread	1 each: RS135800 1.375" x 5/8" Bottom 1 each: RS130096 1.375" Top, 5/16" Wireline
SS135858	1 1/4"-1 3/4"	5/8"	1.1875"	5/8" API Sucker Rod Thread	1 each: SS135800 1.375" x 5/8" Bottom 1 each: SS130058 1.375" Top, 5/8" Wireline
RS135858	1 1/4"-1 3/4"	5/8"	1.125"	5/8" API Sucker Rod Thread	1 each: RS135800 1.375" x 5/8" Bottom 1 each: RS110058 1.375" Top, 5/8" Wireline
RS135834	1 1/4"-1 3/4"	3/4"	1.125"	5/8" API Sucker Rod Thread	1 each: RS135800 1.375" x 5/8" Bottom 1 each: RS130034 1.375" Top, 3/4" Wireline
RS155876	1 1/4"-1 3/4"	7/16"	1.125"	5/8" API Sucker Rod Thread	1 each: RS155800 1.375" x 5/8" Bottom 1 each: RS150076 1.375" Top, 7/16" Wireline
RS155896	1 1/4"-1 3/4"	5/16"	1.125"	5/8" API Sucker Rod Thread	1 each: RS155800 1.375" x 5/8" Bottom 1 each: RS150096 1.375" Top, 5/16" Wireline
RS153496	1 1/4"-1 3/4"	5/16"	1.125"	3/4" API Sucker Rod Thread	1 each: RS153400 1.375" x 3/4" Bottom 1 each: RS150096 1.375" Top, 5/16" Wireline
RS153458	1 1/4"-1 3/4"	5/8"	1.125"	3/4" API Sucker Rod Thread	1 each: RS153400 1.375" x 3/4" Bottom 1 each: RS150058 1.375" Top, 5/8" Wireline
SS1735516	2" and larger	5/16"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS1700516 1.750" Top, 5/16" Wireline
SS173438	2" and larger	3/8"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS170038 1.750" Top, 3/8" Wireline
SS1734716	2" and larger	7/16"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS1700716 1.750" Top, 7/16" Wireline
SS173412	2" and larger	1/2"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS170012 1.750" Top, 1/2" Wireline
SS173496	2" and larger	5/16"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS170096 1.750" Top, 5/16" Wireline
SS173458	2" and larger	5/8"	1.375"	3/4" API Sucker Rod Thread	1 each: SS173400 1.750" x 3/4" Bottom 1 each: SS170058 1.750" Top, 5/8" Wireline
SS177896	2" and larger	5/16"	1.375"	7/8" API Sucker Rod Thread	1 each: SS177800 1.750" x 7/8" Bottom 1 each: SS170096 1.750" Top, 5/16" Wireline

\* Special order item | 'SS' Designates Oil States Model | 'RS' Designates Regal Model

## Wireline Oil Savers

### Oil Saver Bushings Prevents Premature Rubber Wear

By centering the wireline in the oil saver unit, Oil Saver Bronze Bushings prevent premature wear on the rubbers, as well as other components in the oil saver unit.

### Simple Installation and Removal

Oil States bushings are equipped with convenient spring clips for easy installation and removal from the wireline.



OS-GA Bushing Assembly for  
Guiberson™ Type H Oil Saver Rubbers

Bushing Assembly for Oil Saver Rubbers		
Part Number	Bushing Type	Used with Rubber Number
OS-GA	Guiberson™ 'H'	GA
OS-GA-3/4"		

## Oil Saver Rubbers - Tough, Long-Life Rubber

Oil States Oil Saver Rubbers are molded from a special compound of oil, gas and abrasion-resistant rubber for long service life. Oil and other fluids are removed from the wireline and allowed to re-enter the well, which helps prevent potential well-site contamination.

Oil Saver Rubbers		
Part Number	Type	Size
GA-5/16	Guiberson™ 'H' (Black)	0" - 5/16"
GA-5/16-M	Guiberson™ 'H' (Medium)	0" - 5/16"
GA-5/16-S	Guiberson™ 'H' (Soft)	0" - 5/16"
GA-3/8	Guiberson™ 'H' (Black)	3/8" - 5/8"
GA-3/8-M	Guiberson™ 'H' (Medium)	3/8" - 5/8"
GA-3/8-G	Guiberson™ 'H' (Green)	3/8" - 5/8"
GA-3/8-S	Guiberson™ 'H' (Soft)	3/8" - 5/8"
GA-3/4	Guiberson™ 'H' (Black)	3/4" - 1"
O-GA	Guiberson™ 'H' Redress Kit	
OSB-C	Bell 'HR' & Bowen	3/8" - 5/8"
OSB-1	Bell 'HL'	3/8" - 5/8"
OSBJ 1/4"	BJ Stipple	1/4" - 5/8"
OSBJ	BJ Stipple	1/2" - 7/8"



Type GA



OSBJ Wireline Wiper



OSB-1



OSB-C

## Rod Stripper Rubbers & Pipe Wipers

### Rod Stripper Rubbers - Excellent Service Life

Rod Stripper Rubbers efficiently remove oil and other fluids from the rod string being pulled from the well. The special abrasion and wear resistant rubber compound used in the stripper rubbers assures maximum product service life.

Rod Stripper Rubbers		
Part Number	Type	Size
BRS-FINGER	E.E. Stripper	5/8" - 1" Rod
RS-5350	E.E. Stripper	All Rod Sizes
RS-5058	BJ 'Praetet'	5/8" Rod
RS-5034	BJ 'Praetet'	3/4" Rod
RS-5078	BJ 'Praetet'	7/8" Rod
RS-5100	BJ 'Praetet'	1" Rod
RS-Pigtail	BJ 'Pigtail'	All Rod Sizes



'BRS' Rod Stripper



RS-5350



BJ 'Praetet'



BJ 'Pigtail'

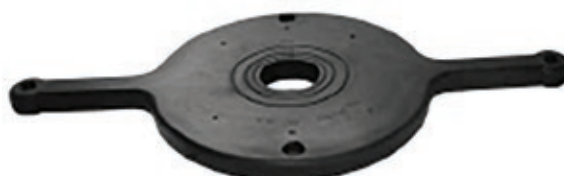
### Pipe Wipers - Convenient Cutting Grooves & Keeps Out Foreign Objects

Molded into Oil States long wearing, abrasion-resistant Pipe Wipers are concentric grooves which act as a guide for cutting the wiper into various pipe sizes. Pipe Wipers can also prevent foreign objects from entering the well bore by covering the annulus between the tubing and the casing.

Pipe Wipers			
Wiper Size	Tubing Size	Part Number	Cutting Grooves
9"	1 1/4" - 2 1/16"	9SRL-1900	Molded to fit 1 1/4" - 3 1/2" tubing sizes
	2 3/8"	9SRL-2375	
	2 7/8"	9SRL-2875	
	3 1/2"	9SRL-3500	
10"	2 3/8"	10-HB-2375	Molded to fit 2 3/8" tubing, or may be cut to fit larger sizes
	2 7/8" - 4 1/2"	10-HB-XXXX	
	1 1/4" - 2 1/16"	12SRL-1900	
12"	2 3/8"	12SRL-2375	Molded to fit 1 1/4" - 3 1/2" tubing, or may be cut to fit larger sizes
	2 7/8"	12SRL-2875	
	3 1/2"	12SRL-3500	
	4" - 4 1/2"	12SRL-XXXX	
14"	2 3/8"	14SRL-2375	Molded to fit 2 3/8" & 2 7/8" tubing, or may be cut to fit larger sizes
	2 7/8"	14SRL-2875	
	3 1/2" - 5"	14SRL-XXXX	
17"	2 3/8"	17TL-2375	Molded to fit 2 3/8" tubing, or may be cut to fit larger sizes
	2 7/8" - 5"	17TL-XXXX	



Thin Lip, Type TL



10" Handlebar Type



Type SRL, 9-SRL,  
12-SRL & 14-SRL



## Tubing Stripper Rubbers

A product of Oil States for more than thirty years. Tubing Stripper Rubbers are made from a proven oil and abrasion-resistant rubber.

Tubing can be pulled or run-in with pressure still on the well while also stripping fluids off the tubing O.D. to provide a cleaner job site.

Tubing Stripper Rubbers		
Part Number	Description	Nominal Size
Guiberson™ Type		
DH-1315	Guiberson™ Type	1.315"
DH-1660		1.660"
DH-1900		1.900"
DH-2250		2¾"
DH-2750		2⅞"
DH-3000*		2.875" DP
DH-3750*		3½"
BIW-1 Type		
BIW-1-20*	BIW PX-107	2¾"
BIW-1-25*		2⅞"
BIW-1-30*		3½"
Gulfco Type		
GSR-12*	Gulfco Type S6	1.660"
GSR-15*		1.900"
GSR-17*		1.990"
GSR-20*		2¾"
GSR-25*		2⅞"
Huber Type		
HERC-20*	Huber Hercules	2¾"
HERC-25*		2⅞"
Norris-Hinderliter Type		
NH-12*	Norris-Hinderliter 4-1	1.660"
NH-15*		1.900"
NH-20*		2¾"
NH-25*		2⅞"
Petromec Type		
PETRO-20	Petromec 'Flex Grip' 20155-3	2¾"
PETRO-25		2⅞"
OCT Type		
ROS-20*	OCT Type	2¾"
ROS-25*		2⅞"
ROS-30*		3½"
RT-1617*	T-16 OCT Type	2.063"
RT-1620*		2¾"
RT-1625*		2⅞"
RT-1630*		3½"



Guiberson™ Type



BIW PX-107



Gulfco Type S6, GSR



Hercules Type



NH Type 4 in 1



Petromec 'Flex-Grip'



OCT Type ROS



OCT Type T-16 ROS

\* Available by special order.

## Tubing Stripper Rubbers

Tubing Stripper Rubbers		
Part Number	Head Type	Nominal Size
PGSR		
PGSR-12*	PGSR Type	1.660"
PGSR-15*		1.990"
PGSR-20*		2⅜"
PGSR-25*		2⅞"
PGSR-30*		3½"
Halstrip Type		
HS-10*	TXS-10, Halstrip	1.315"
HS-12*	TXS-12, Halstrip	1.660"
HS-15*	TXS-15, Halstrip	1.900"
HS-17*	TXS-17, Halstrip	2¼"
HS-20	TXS-20, Halstrip	2⅜"
HS-25	TXS-25, Halstrip	2⅞"
HS-30*	TXS-30, Halstrip	3½"
Rector Type		
RSR-10*	Rector 'S'	1.315"
RSR-12*		1.660"
RSR-15*		1.900"
RSR-20*		2⅜"
RSR-25*		2⅞"
RSR-30*		3½"
Larkin Type		
LSK-20	Larkin 'K'	2⅜"
LSK-25		2⅞"
LSK-30*		3½"
LSK-TS-20		2⅜"
LSK-TS-25		2⅞"
LSR-12	Larkin 'SR'	1.660"
LSR-15		1.900"
LSR-20		2⅜"
LSR-25*		2⅞"
LSR-30*		3½"
Tubing Stripper Top Seal		
LSR-TS-20*	4-1 & Larkin 'SR'	2⅜"
LSR-TS-25*		2⅞"
LSR-TS-30*		3½"
Marcom Type		
MSR-20*	Marcom	2⅜"

\* Available by special order.



PGSR Type



Halstrip Type



Rector 'S' Type



Larkin 'K' Type



Larkin 'SR' Type



Larkin Top Seal

## Tubing Test Cups

### Bar Type

Oil States bar-type tubing test cups are available for six tubing sizes, various tool sizes and in 70, 80 and 90 durometer nitrile rubber compounds. A 90 durometer natural rubber compound is also available for all-weather operation. Field tests have repeatedly proven the heavy-duty capabilities of this cup.

Bar Type Cups						
Part Number	Tubing O.D.	Tubing Weight	Tool Size	Durometer	Cup O.D.	
150BT-2.90-70	1.900"	2.90	1"	70	1.516"	
150BT-2.90-80				80	1.516"	
150BT-2.90*				90	1.516"	
216BT-3.25-70	2 1/16"	3.25-3.4		70	1.656"	
216BT-3.25-80				80	1.656"	
216BT-3.25				90	1.656"	
238BT-0890	2 3/8"	4.6-4.7	7/8"	90	1.901"	
238BT-1070*			1 1/16"	70	1.901"	
238BT-1080*				80	1.901"	
238BT-1090				90	1.901"	
238BT-1091*				91	1.901"	
238BT-1270			1 1/4"	70	1.901"	
238BT-1280				80	1.901"	
238BT-1290				90	1.901"	
238BT-1291*				91	1.901"	
238BT-5.95-70		5.95	1 1/4"	70	1.773"	
238BT-5.95-80				80	1.773"	
238BT-5.95				90	1.773"	
278BT-1070*		2 7/8"	6.4-6.5	1 1/16"	70	2.324"
278BT-1090					90	2.337"
278BT-1091					90	2.337"
278BT-1270*	1 1/4"			70	2.324"	
278BT-1280*				80	2.331"	
278BT-1290*				90	2.337"	
278BT-1291*				91	2.337"	
278BT-1370*	1 5/16"			70	2.324"	
278BT-1380*				80	2.331"	
278BT-1390			90	2.337"		
278BT-1570*	1 1/2"		70	2.324"		
278BT-1580*			80	2.331"		
278BT-1590			90	2.337"		
278BT-1670	1.600"		70	2.324"		
278BT-1680*			80	2.331"		
278BT-1690			90	2.337"		
278BT-1691			91	2.337"		
278BT-7.90-70			7.90	70	2.229"	
278BT-7.90-80				80	2.229"	
278BT-7.90				90	2.229"	
278BT-8.70-70			8.70	70	2.165"	
278BT-8.70-80		80		2.165"		
278BT-8.70*		90		2.165"		
350BT-1270*	3 1/2"	9.2-9.3	1 1/4"	70	2.867"	
350BT-1290*				90	2.867"	

Bar Type Cups					
Part Number	Tubing O.D.	Tubing Weight	Tool Size	Durometer	Cup O.D.
350BT-1670*	3½"	9.2-9.3	1.600"	70	2.867"
350BT-1680*				80	2.867"
350BT-1690*				90	2.867"
350BT-1870*			1.875"	70	2.867"
350BT-1880*				80	2.867"
350BT-1890*			90	2.867"	
350BT-2070*			2.000"	70	2.867"
350BT-2080*				80	2.867"
350BT-2090*				90	2.867"
350BT-10.3-80		10.3	1.855"	80	2.797"
350BT-10.3				90	2.797"
350BT-12.95-80		12.95		80	2.56"
350BT-12.95				90	2.56"
350BT-12.95-1670			1.600"	70	2.56"
350BT-12.95-1690				90	2.56"
450BT-2870	4½"	9.5-10.5	2.875"	70	3.965"
450BT-2880				80	3.965"
450BT-2890				90	3.965"
450BT-2870-3.875		11.6	2.875"	70	3.875"
450BT-2880-3.875				80	3.875"
450BT-2890-3.875				90	3.875"
450BT-2891-3.875				91	3.875"
450BT-2870-3.833		12.6	2.875"	70	3.833"
450BT-2880-3.833				80	3.833"
450BT-2890-3.833				90	3.833"
450BT-2891-3.833				91	3.833"
450BT-2870-3.795		13.5	2.875"	70	3.795"
450BT-2880-3.795				80	3.795"
450BT-2890-3.795				90	3.795"
450BT-2891-3.795				91	3.795"
450BT-2870-3.700		15.1	2.875"	70	3.700"
450BT-2880-3.700				80	3.700"
450BT-2890-3.700				90	3.700"
450BT-2891-3.700				91	3.700"

\* Available by special order only.



Bar Type

## Tubing Test Cups

### Drag Type

The standard drag-type test cup is constructed of a 70 durometer upper section with a 90 durometer lower section for greater strength. The two compounds are bonded to a steel sleeve and base to form a rugged, long lasting test cup.

Drag Type Cups		
Part Number	Tubing O.D.	Tool Size
20-MT	2 $\frac{3}{8}$ "	$\frac{7}{8}$ "
20-MTS	2 $\frac{3}{8}$ " Hydril	
25-TC	2 $\frac{7}{8}$ "	1 $\frac{1}{16}$ "
30-TC	3 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "



Drag Type

Water Saver Cups			
Part Number	Description	Tubing O.D.	Cup I.D.
20-WS	70 Duro	2 $\frac{3}{8}$ "	$1\frac{1}{16}$ "
25-WS		2 $\frac{7}{8}$ "	
30-WS		3 $\frac{1}{2}$ "	
20-WS-60	60 Duro	2 $\frac{3}{8}$ "	
25-WS-60		2 $\frac{7}{8}$ "	
30-WS-60		3 $\frac{1}{2}$ "	



Water Saver Cup



## OSI Sucker Rod Guides Increase Pumping Efficiency

Eliminate or greatly reduce down-hole problems with Oil States' Hi-Temp Snap-on and Twist-on Rod Guides. With a coefficient of friction when wet lower than metal, overall pumping efficiency is increased while costly metal-to-metal contact between the rods and tubing is minimized. Wear on couplings is also less, thus reducing costly rod partings.

### Fewer 'Pulling' Jobs

The guides also function as bearings by centralizing the sucker rods in the tubing. Even as tubing buckles in the well during the upstroke, the guides help prevent contact between the rods and tubing. Polished rod loads are reduced due to the lower friction and less abrupt stress reversals.

### Snap-on Guides

The standard of the industry for years, Oil States' hi-temp Snap-on guides are made of abrasion resistant, synthetic rubber. A spring steel 'clip' insert is molded into the rubber guide, providing a positive grip on the sucker rod and preventing slippage in temperatures up to 300° F.

### Twist-on Guides

Oil States' Twist-on rod guides contain no metal clip insert. Tests, however, indicate an excellent holding strength due to design and materials. The Twist-on style rod guide can easily be installed with a pipe wrench, and withstand temperatures up to 200° F.

Rubber Rod Guides			
Part Number	Size	Rod Size	Tubing Size
5820-HT	5/8" x 2"	5/8"	2 3/8"
3420-HT	3/4" x 2"	3/4"	
7820-HT	3/4" x 2"	7/8"	
5825-HT	5/8" x 2 1/2"	5/8"	2 7/8"
3425-HT	3/4" x 2 1/2"	3/4"	
7825-HT	7/8" x 2 1/2"	7/8"	
1025-HT	1" x 2 1/2"	1"	
1125-HT*	1 1/16" x 2 1/2"	3/4" Pipe	
1525-HT*	1 5/16" x 2 1/2"	1" Pipe	
5827-HT*	5/8" x 3"	5/8"	3 1/2"
3427-HT	3/4" x 3"	3/4"	
7827-HT	7/8" x 3"	7/8"	
1027-HT	1" x 3"	1"	
1127-HT*	1 1/16" x 3"	3/4" Pipe	
1527-HT*	1 5/16" x 3"	1" Pipe	
3435-HT*	3/4" x 3 1/2"	3/4"	Casing
7835-HT*	7/8" x 3 1/2"	7/8"	
1035-HT*	1" x 3 1/2"	1"	
1135-HT*	1 1/16" x 3 1/2"	3/4" Pipe	
1535-HT*	1 5/16" x 3 1/2"	1" Pipe	

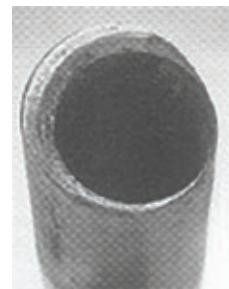
Twist-on Guides			
Part Number	Size	O.D. of Guides (installed)	Tubing Size
TO-3420	3/4" Rod x 2" Tubing	1 3/4"	2 3/8"
TO-5820	5/8" Rod x 2" Tubing		
TO-7820	7/8" Rod x 2" Tubing		
TO-3425	3/4" Rod x 2 1/2" Tubing	2 1/8"	2 7/8"
TO-7825	7/8" Rod x 2 1/2" Tubing		



Snap-on  
Sucker Rod Guide



Twist-on  
Sucker Rod Guide



Rod coupling shows  
abrasive damage of  
metal-to-metal  
friction.

\* Available by special order only.

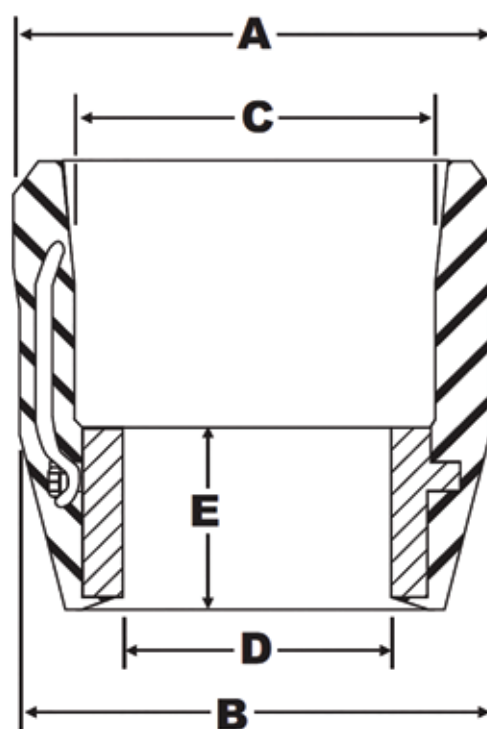
## OSI Packer Cups

### Packer Cups

Oil States packer cups are molded from a durable oil, gas and abrasion resistant rubber compound that withstands wear and tear, even under high pressure. Each is equipped with a sturdy steel base for additional support in the critical area where the wires connect to the cup base. Oil States offers over fifty individual cups, ranging from 2 $\frac{3}{8}$ " tubing through 13 $\frac{3}{8}$ " casing, with optional I.D. sizes from many popular casing sizes.

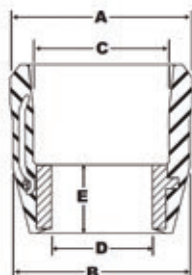
\*Special compounds are available on request. High pressure cups are also available on certain sizes.

Packer Cups   2⅜" - 6½"									
Nominal Tubing/ Casing O.D.	Weight Range (lb./ft.)	Tubing Casing I.D. (inches)	Part Number	All dimensions shown are nominal only and subject to change without notice. (all dimensions in inches)					
				A	B	C	D	E	
2⅜"	4.6-4.7	1.995	P-204-1	2.01	1.88	1.28	1.09	1.09	
2⅞"	6.4-6.5	2.441	P-254-1	2.46	2.29	1.67	1.34	1.25	
3½"	7.7	3.068	P-304-2*	3.19	2.91	1.75	1.34	1.30	
			P-304-S-1*			2.31	1.94	1.22	
	9.2-9.3	2.992	P-304-1	3.05		1.75	1.34	1.31	
			P-304-S	3.01		2.21	1.94	1.24	
	10.2		P-304-1	3.05		1.75	1.34	1.31	
			P-304-S	3.01		2.21	1.94	1.24	
4"	9.5	3.548	P-354-1	3.58	3.53	2.62	1.94	1.31	
	11.0	3.476	P-404-1	3.51	3.43	2.25			
	13.4	3.340	P-404-2*	3.41	3.20	2.60			
4½"	9.5	4.090	P-454-1	4.18	3.90	2.66	2.41	1.46	
	11.6	4.000							
	16.6	3.826	P-454-DP*	3.93	3.72				1.51
5"	13.0	4.494	P-504-1	4.52	4.37	2.66	2.41	1.46	
	15.0	4.408		4.52	4.37	2.66			
	18.0	4.276	P-504-2	4.37	4.15	2.67			1.39
	20.3	4.184		4.37	4.15	2.67			
5½"	13.0	5.044	P-554-1	5.10	4.91	3.28	2.90	1.44	
	15.0	5.012							
	15.5	4.950	P-554-2	5.01	4.83				
	17.0	4.892							
	20.0	4.778	P-554-2A	4.95	4.64				
	23.0	4.670							
6"	15.0	5.524	P-604-1*	5.65	5.41	3.52	2.90	1.46	
	18.0	5.424							
6½"	20.0	6.049	P-658-2	6.12	5.91	4.18	3.53	1.43	
	24.0	5.921	P-658-3	6.00	5.70	4.06	3.53	1.38	
			P-658-3A*		4.23	4.03			
			P-658-3C*		5.60	4.18	2.90	1.43	
	28.0	5.791	P-658-3		5.70	4.06	3.53	1.38	
			P-658-3A*		4.23	4.03			
			P-658-3C*		5.60	4.18	2.90	1.43	



\* Available by special order only.

## OSI Packer Cups



Packer Cups   7" - 8 5/8"								
Nominal Tubing/ Casing O.D.	Weight Range (lb./ft.)	Tubing Casing I.D. (inches)	Part Number	All dimensions shown are nominal only and subject to change without notice. (all dimensions in inches)				
				A	B	C	D	E
7"	17.0	6.538	P-704-1	6.60	6.39	4.06	3.53	1.38
			P-704-1C*	6.57	6.30	4.21	2.90	1.44
	20.0	6.456	P-704-1	6.60	6.39		3.53	1.38
			P-704-1C*	6.57	6.30	4.06	2.90	1.44
	22.0	6.398	P-704-1A	6.52	6.27		3.53	1.38
			P-704-1B*	6.50	6.22	4.45	4.03	1.44
	24.0	6.336	P-704-1A	6.52	6.27	4.06		
			P-704-1B*	6.22	4.45	4.03	3.53	1.38
	26.0	6.276	P-704-2			4.06		
			P-704-2A*			4.19	4.03	1.40
			P-704-2C*				2.90	
	29.0	6.184	P-704-2	6.34	6.09	4.06	3.53	1.38
			P-704-2A*			4.19	4.03	1.40
			P-704-2C*			4.06	2.90	1.38
	32.0	6.094	P-658-2	6.12	5.91	4.18	3.53	1.43
	35.0	6.004						
	38.0	5.920	P-658-3		5.70	4.06		
			P-658-3A*	6.00		4.23	4.03	1.38
			P-658-3C*		5.60	4.18	2.90	1.43
7 5/8"	24.0	7.025	P-758-1	7.15	6.92	4.61		2.04
	26.4	6.969		7.15				
	29.7	6.875	P-758-2	6.90	6.74	4.63	3.53	2.00
	33.7	6.765						
	39.0	6.625	P-758-3*	6.73	6.51			1.96
8 5/8"	20.0	8.191	P-904-1	8.24	8.02	5.04	3.53	1.57
			P-904-1B*				4.53	
	28.0	8.017	P-858-1	8.03	7.67		5.30	1.56
			P-858-1A*				5.75	
			P-858-1B				5.30	
	36.0	7.825	P-858-1				5.75	1.56
			P-858-1B				5.30	
	40.0	7.725	P-858-2*				4.53	1.56
			P-858-2B*				3.53	
	44.0	7.625	P-858-2*	7.76	7.49	5.35	4.53	1.56
			P-858-2B*				3.53	

\* Available by special order only.

Packer Cups   9 7/8" - 13 3/8"								
Nominal Tubing/ Casing O.D.	Weight Range (lb./ft.)	Tubing Casing I.D. (inches)	Part Number	All dimensions shown are nominal only and subject to change without notice. (all dimensions in inches)				
				A	B	C	D	E
9 7/8"	29.3	9.063	P-958-2	9.21	8.67	5.02	3.53	1.77
			P-958-2A*	9.23		5.77	5.53	1.62
			P-958-2B				4.53	
	36.0	8.921	P-958-2	9.21	8.60	5.02	3.53	1.77
			P-958-2A*	9.23		5.77	5.53	1.62
			P-958-2B		9.03		8.60	
			P-958-4*	5.53				
			P-958-4B*	3.53				
	40.0	8.835	P-958-1A	8.90	8.45	5.03	5.53	1.81
			P-958-1				4.53	
			P-958-1B	9.03	8.60	5.79	3.53	1.64
			P-958-4*				5.53	
			P-958-4B*				3.53	
	43.5	8.755	P-958-1A	8.90	8.45	5.03	5.53	1.81
			P-958-1				4.53	
			P-958-1B	9.03	8.60	5.79	3.53	1.64
			P-958-4*				4.53	
			P-958-4B*				5.53	
	47.0	8.681	P-958-1A	8.90	8.45	5.03	5.53	1.81
			P-958-1				4.53	
			P-958-1B	8.80	8.42	5.80	3.53	1.64
			P-958-3*				5.53	
			P-958-3A				4.53	
			P-958-3B				3.53	
	53.5	8.535	P-958-3*	8.80	8.42	5.80	5.53	1.64
			P-958-3A				4.53	
			P-958-3B				3.53	
	10 3/4"	40.5	10.050	P-1075	10.17	9.71	5.83	4.53
P-1075-B				3.53				
55.5		9.760	P-1075	9.85	9.30	4.53		
			P-1075-B			3.53		
60.7		9.660	P-1075-A		4.53			
73.2	9.406	P-1075-A						
11 3/4"	38.0	11.150	P-1175-1	11.25	10.50	6.12	4.53	1.65
			P-1175-1B*			5.95	3.53	1.71
	54.0	10.880	P-1175-1			6.12	4.53	1.65
			P-1175-1B*			5.95	3.53	1.71
12"	40.0	11.384	P-1200*	11.82	11.38	4.53	1.69	
			P-1200-B*	11.38	10.38	3.53		
13 3/8"	54.5	12.615	P-1338-1	12.68	12.29	7.10	4.53	1.72
	72.0	12.347						

\* Available by special order only.

## Locations

For over 75 years, Oil States has provided a wide array of elastomeric and plastic products for the oil & gas, defense, construction and general industries. Oil States maintains a high level of technical competency in engineering, development and manufacturing. Oil States swab cups and packer elements are molded from a variety of custom elastomers and meet the most demanding quality requirements in the industry. Oil States Industries has representatives carrying the Oil States and Regal product lines at the following locations:

<b>CALIFORNIA</b> Long Beach, CA Bakersfield, CA Ventura, CA	<b>LOUISIANA</b> Houma, LA Lafayette, LA	<b>OHIO</b> Wooster, OH	<b>UTAH</b> Vernal, UT
<b>COLORADO</b> Greeley, CO	<b>MISSISSIPPI</b> Natchez, MS Laurel, MS	<b>OKLAHOMA</b> Yukon, OK Oklahoma City, OK	<b>WYOMING</b> Casper, WY Gillette, WY Rock Springs, WY
<b>ILLINOIS</b> Grayville, IL	<b>NEW MEXICO</b> Farmington, NM Hobbs, NM	<b>TEXAS</b> Abilene, TX Alice, TX Houston, TX Kilgore, TX Odessa, TX Victoria, TX	<b>CANADA</b> Edmonton, Alberta
<b>KANSAS</b> Great Bend, KS	<b>NORTH DAKOTA</b> Williston, ND		

Please call our Arlington Corporate Office for information concerning foreign agents and/or stocking locations.

### Well Servicing Equipment | Corporate Office

Post Office Box 670  
Arlington, Texas 76004 USA  
Tel +1 817 548 4200  
Fax +1 817 548 4252



## **Terms & Conditions of Sale**

### **Effective January 1, 2020**

Oil States Industries, Proprietary Oilfield Products, is hereafter referred to simply as Oil States.

#### **Warranty**

All Oil States products are guaranteed to be free from defects in both workmanship and materials for a period of one year from date of purchase under recommended use or service. This guarantee and the liability of Oil States, however, is limited solely to the replacement of defective parts or refund of purchase price.

#### **Payment Terms**

Net 30 Days with Approved Credit, else Payment in Advance of shipping. Master Card and Visa are accepted.

#### **Freight Allowance**

FOB Point of Shipment, Ex-works.

#### **Export Sales**

Export sales will be made only through the Proprietary Sales Department, Oil States Industries, Inc, Arlington, Texas

#### **Pricing Policy**

1. The schedule of discounts and terms and conditions of sales cannot be altered without written approval of the Proprietary Sales Department, Oil States, Arlington, Texas.
2. Minimum charge on all sales, excluding discounts, labor, freight, and other service charges will be \$75.00.
3. All published catalog list price and discount schedules are subject to change without notice.
4. All items classified as 'Available by Special Order' are not carried in warehouse stock; delivery might exceed that normally experienced. A Minimum Order of \$500.00 net per line item may be charged on 'Special Order' items. Sales on these items are final, and cannot be returned for credit. Contact the Proprietary Sales Department for details on 'Special Order' items.

#### **Return Goods**

1. Permission must be secured from Oil States prior to return of any merchandise.
2. List of material submitted for return must show date of purchase and invoice number.
3. All return merchandise is subject to inspection by Oil States and must consist of items being actively offered for sale by Oil States.
4. A restocking charge of 15% will be made on all merchandise returned within 90 days after date of purchase. A restocking charge of 25% will be made on merchandise returned after 90 days. Freight must be prepaid by shipper on all returned goods.
5. Credit will be allowed only on merchandise returned within one year of purchase date.
6. Refunds on returned merchandise will be issued in cash or in merchandise credit. Merchandise refunds in form of credit can be applied against future purchases from Oil States, but in no case to exceed fifty percent of any one month's purchase.

# OIL STATES SYSTEMS & TECHNOLOGIES



## Lifting, Handling & Production Systems

### Ensuring Consistently Reliable Production

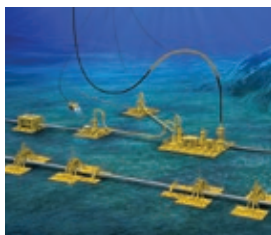
Oil States is a reliable partner for project-specific floating and fixed production solutions. For integrated solutions topside to subsea, our innovative systems are designed for seamless installation and longevity.



## Riser Systems, Recertification & Casing Solutions

### Solutions for the Entire Well Lifecycle

Oil States delivers innovative, reliable equipment and services that minimize downtime and support safe, cost-effective drilling operations. We are known for systems and solutions for the entire well lifecycle, from drilling to decommissioning and now complete riser packages.



## Subsea Pipeline & Production Riser Systems

### Connecting Your Assets to Market

For new construction or repair, subsea to surface, deepwater to host facility or host facility to shore, Oil States provides reliable pipeline systems and solutions to keep you on line.



## Onshore & Downhole Technologies

### Reliable Solutions for Critical Applications

Oil States well servicing products enable customers to increase productivity and to optimize flow and maximize production from both declining and high-performing wells. Our elastomeric and composite molding design and manufacturing expertise along with materials testing capabilities enable us to solve unique challenges for our customers. Bring us your most complex parts and we will work with you to develop a customized plan to optimize sourcing. We also provide key technologies for diverse industrial applications.



## Services

### We Work Where You Work, Around the World, Around the Clock

Everywhere our customers operate, we provide services and support across a full spectrum of Oil States technologies. From fabrication to customized testing services, we work collaboratively and as an extension of your team to deliver customer-focused, high quality service and seamless project execution. We are your more responsive, more flexible, global partner. Offering the following specialized services:

## OIL STATES INDUSTRIES

### WELL SERVICING EQUIPMENT & CUSTOM MOLDED PRODUCTS

*Sales, Engineering & Manufacturing*

#### NORTH AMERICA

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Lampasas, Texas 76550 USA  
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Arlington, Texas 76001 USA  
Tel +1 817 548 4200

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