



Oil Tools

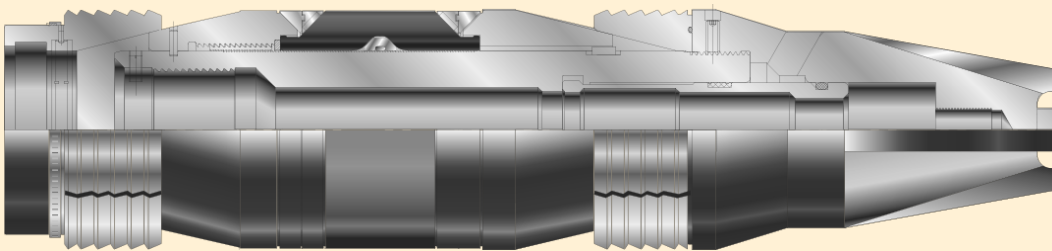
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MSB-CR MECHANICAL SET CEMENT RETAINER



Model MSB-CR Tubing Set Sleeve Valve Cement Retainers are used for secondary cementing operations. These drillable retainers set securely in any hardness casing. A ratchet lock ring stores the setting force in the retainer. The one piece packing element and metal back up rings combine for a superior seal. The case hardened, one piece slips virtually eliminate premature setting, yet can be easily drilled out. They are available for 4-1/2" through 16" casings.

FEATURES

Sets securely in any hardness casing, including premium grades.

Ratchet lock rings secure dynamic setting force.

One piece packing element and rocker action metal back up rings combine for a superior seal.

Compact, easy running.

Pressure balanced sleeve valve is opened and closed by tubing manipulation from the surface for better control.

Set with Model MST-CR Mechanical Setting Tool.

One company at the center of the energy revolution is uniquely equipped with the know-how and ingenuity to make possibilities happen—[SERVA group.com](http://SERVAgroup.com)

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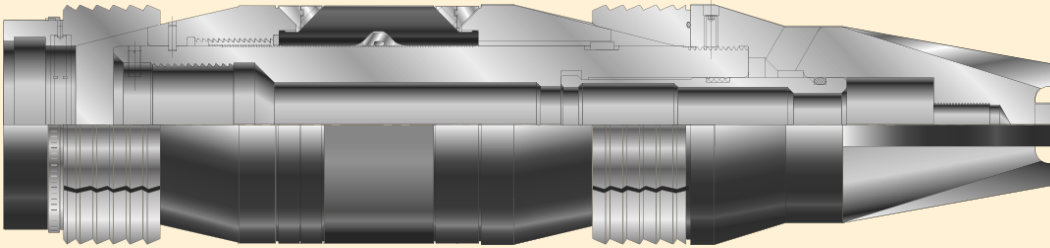
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Specifications Guide MSB-CR Mechanical Cement Retainer

Casing OD (in)	Casing Wt (lbs/ft)	Setting Range Min (in)	Setting Range Max (in)	Tool OD (in)	Release Force (lbs)	Part Number
4 1/2	9.5-16.6	3.826	4.09	3.59	33,000	2440450224
5	11.5-20.8	4.156	4.56	3.93	33,000	2440500224
5 1/2	13-23	4.58	5.044	4.31	33,000	2440550224
5 3/4	14-26	4.89	5.29	4.7	33,000	2440575224
6 5/8	17-32	5.595	6.135	5.37	50,000	2440662224
7	17-35	6.004	6.538	5.68	50,000	2440700224
7 5/8	20-39	6.625	7.125	6.31	50,000	2440762224
8 5/8	24-49	7.511	8.097	7.12	50,000	2440862224
9 5/8	29.3-58.4	8.435	9.063	8.12	50,000	2440962224
10 3/4	32.75-60.7	9.66	10.192	9.43	50,000	2441075224
11 3/4	38-60	10.772	11.15	10.43	50,000	2441176224
11 3/4	60-83	10.192	10.772	9.94	50,000	2441175224
13 3/8	48-80.7	12.175	12.715	11.88	50,000	2441337224
16	65-118	14.576	15.25	14.12	50,000	2441600224

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