

MMR

CEMENT RETAINER

MECHANICAL RETRIEVABLE TOOL

Model MMR 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 4¹/₂" through 16" casing.

APPLICATION

- » Mainly used for temporary plugging.
- » Suitable for vertical or deviated wells.

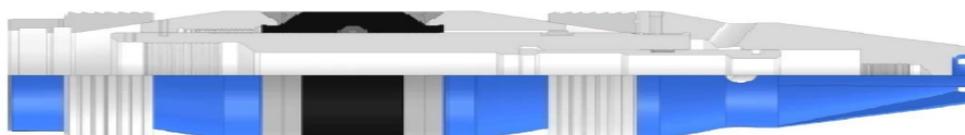
FEATURES

- » 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 MSR Mechanical Setting Tool.
- » Recommended to 300°F application for Normal Rubber, if need high Temp, please contact Kaiyuan.

OPERATION

First connect the mechanical setting tool with the cement retainer. The "MMR" cement retainer can be inserted and set by the "SSR" mechanical setting tool. The tool includes an insert seal and a mechanical setting function. It has an elastic locking structure to allow the tool to be locked by the weight of the squat. Within the cement retainer, release by lifting the column.

The "SSR" mechanical setting tool is used for setting "MMR" mechanical setting bridge plugs. This setting tool is suitable for different well conditions. It can prevent premature setting of cement retainers or bridge plugs and prevent damage to the tools themselves. The institutional characteristics. The speed at which the tool is lowered should be moderate to avoid shocks during lowering.



PARAMETER GUIDE

Part No	Casing OD	Casing Weight	Setting Range		Tool OD
	in	Lbs/ft	Min in(mm)	Max in(mm)	In(mm)
MMR001	4 1/2	9.5-16.6	3.826(97.18)	4.090(103.88)	3.59(91.186)
MMR002	5	11.5-21	4.154(105.50)	4.560(115.82)	3.93(99.822)
MMR003	5 1/2	13-23	4.580(116.33)	5.044(128.12)	4.31(109.47)
MMR004	5 3/4	14-26	4.890(124.21)	5.290(134.37)	4.70(119.38)
MMR005	6 5/8	17-32	5.595(142.11)	6.135(155.83)	5.37(136.40)
MMR006	7	17-35	6.000(152.40)	6.538(166.06)	5.68(144.27)
MMR007	7 5/8	20-39	6.625(168.27)	7.125(180.98)	6.31(160.27)
MMR008	8 5/8	24-49	7.511(190.78)	8.097(205.66)	7.12(180.85)
MMR009	9 5/8	29.3-58.4	8.435(214.25)	9.063(230.20)	8.12(206.25)