

# MAP Oil Tools

MAP Oil Tools

## Mechanical Tubing Set Cement Retainers - MMR

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 4 1/2" through 16" casing. 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

Tech Sheet	Part Number (Click for part list and technical information)	Casing OD	Casing Wt	Setting Range Min ID	Setting Range Max ID	Tool OD
<a href="#">Tech</a>	<a href="#">0620393002</a>	5	11.5-20.8	4.156	4.560	3.93
<a href="#">Tech</a>	<a href="#">0620470002</a>	5 3/4	14-26	4.890	5.290	4.70
<a href="#">Tech</a>	<a href="#">0620568002</a>	7	17-35	6.004	6.538	5.68
<a href="#">Tech</a>	<a href="#">0620712002</a>	8 5/8	24-49	7.511	8.097	7.12
<a href="#">Tech</a>	<a href="#">0620943002</a>	10 3/4	32.75-60.7	9.660	10.192	9.43
<a href="#">Tech</a>	<a href="#">0621043002</a>	11 3/4	38-60	10.772	11.150	10.43
<a href="#">Tech</a>	<a href="#">0621412002</a>	16	65-118	14.576	15.250	14.12