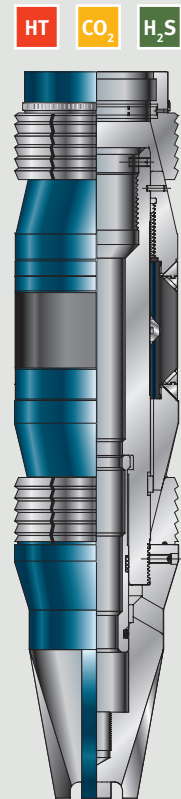


STMR MECHANICAL CEMENT RETAINER

Model STMR 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 STSR Mechanical Setting Tool



SPECIFICATIONS

Part Number	Casing OD	Casing Wt	Setting Range		Tool OD	Release Force	Setting Tool
	(in)	(lbs/ft)	Min (in)	Max (in)	(in)	(lbs)	
D22-0450-002	4 1/2	9.5-16.6	3.826	4.09	3.59	33,000	D22-0450-005
D22-0500-002	5	11.5-20.8	4.156	4.56	3.93		
D22-0550-002	5 1/2	13-23	4.58	5.044	4.31		
D22-0575-002	5 3/4	14-26	4.89	5.29	4.7		
D22-0662-002	6 5/8	17-32	5.595	6.135	5.37	50,000	D22-0662-005
D22-0700-002	7	17-35	6.004	6.538	5.68		D22-0700-205
D22-0762-002	7 5/8	20-39	6.625	7.125	6.31		D22-0762-005
D22-0862-002	8 5/8	24-49	7.511	8.097	7.12		D22-0862-005
D22-0962-002	9 5/8	29.3-58.4	8.435	9.063	8.12		D22-0962-005
D22-1075-002	10 3/4	32.75-60.7	9.66	10.192	9.43		D22-1075-005
D22-1176-002	11 3/4	38-60	10.772	11.15	10.43		D22-1176-005
D22-1175-002	11 3/4	60-83	10.192	10.772	9.94		D22-1175-005
D22-1337-002	13 3/8	48-80.7	12.175	12.715	11.88		D22-1337-005
D22-1600-002	16	65-118	14.576	15.25	14.12		D22-1600-005