

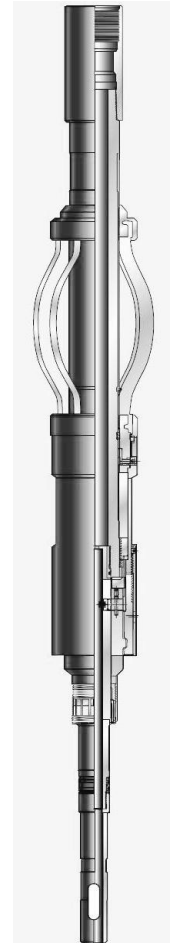


## Mechanical Setting Tool for CR

**Mechanical Setting Tools** are used to mechanically set the Mechanical Set Cement Retainers. This tool incorporates both a stinger seal and mechanical setting function. In addition, it has a built-in snap-latch, allowing the tool to be latched into the Cement Retainer with set-down weight and released with either upstrain or right-hand rotation. The sleeve-valve on the Cement Retainer is in the open position while being run in the well. When the setting procedure is completed, the sleeve-valve may be closed by picking up two inches at the tools or opened by slacking off two inches. The snaplatch feature allows the sleeve-valve to be shifted open or closed while the tubing is still anchored to the retainer. Normally the valve is run open so the tubing may fill. However, for pressure testing the tubing, while running, the valve can be run closed. Cement Retainers can be set and pressure tested in a single trip.

### Features

- 1) Allows users to set, pressure test tubing, and squeeze in a single trip
- 2) The Upper slips are held in a safe retracted position while running
- 3) Special designed Bow Spring provide positive control and allows one size Mechanical Setting Tools to cover a large range of casing weight
- 4) Can quickly be configured to set Mechanical Set Bridge Plug



Mechanical Setting Tool for CR				
Size	Casing OD	Casing Wt.	CR Size	Connection
/	(in)	(lbs/ft)	(in)	/
MTST-21	4 1/2	9.5-16.6	4 1/2	2-3/8" EUE
	5	11.5-20.8	5	
MTST-22	5 1/2	13-23	5 1/2	
MTST-23	5 3/4	14-26	5 3/4	2-7/8" EUE
MTST-24	6 5/8	17-32	6 5/8	
MTST-25	7	17-35	7	
MTST-26	7 5/8	20-39	7 5/8	
MTST-27	8 5/8	24-49	8 5/8	
MTST-28	9 5/8	29.3-58.4	9 5/8	
MTST-29	10 3/4	32.75-60.7	10 3/4	
MTST-30	11 3/4	38-60	11 3/4	
MTST-31	11 3/4	60-83	11 3/4	
MTST-32	13 3/8	48-80.7	13 3/8	
MTST-33	16	65-118	16	