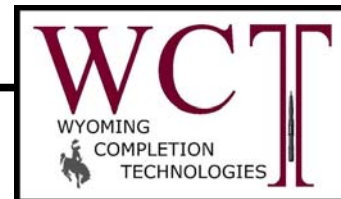


CEMENT RETAINER



DESCRIPTION

The WYOMING COMPLETION TECHNOLOGIES Cement Retainer is a dependable tubing or wire-line set drillable retainer. One piece heat-treated slips provide secure setting.

FEATURES/BENEFITS

- Simple surface control valve
- Allows pressure testing before squeeze
- Valve automatically closes when the stinger is removed, locking in the squeeze pressure
- Valve protects sensitive zones in low fluid wells
- Simple conversion to bridge plug
- Mechanical or wire-line set
- Easily drilled

TECHNICAL DATA



PRODUCT # M= Mechanical W= Wire-line	CASING				TOOL
	OD	ID MAX.	ID MIN.	Weight	OD
	Inches mm	Inches mm	Inches mm	Lb/Ft Kg/m	Inches mm
27CRAA-M/W	2-7/8 73.0	N/A	N/A	6.4 – 7.8 9.5 – 11.6	2.23 56.5
43CRAA-M/W	4-1/2 114.3	4.09 103.88	3.92 99.5	9.5 – 13.5 14.1 – 20.1	3.61 91.7
44CRAA-M/W	5 127	4.56 115.82	4.27 108.45	11.5-18 17.1 – 26.8	3.93 99.8
45CRAA-M/W	5-1/2 139.7	5.04 128.11	4.67 118.61	13 – 23 19.5 – 34.2	4.31 109.5
46CRAA-M/W	6-5/8 168.3	6.13 156.02	5.60 142.24	17 – 34 25.3 – 50.6	5.38 136.7
47CRAA-M/W	7 177.8	6.53 166.06	6.00 152.40	17 – 35 25.3 – 52.1	5.69 144.5
48CRAA-M/W	7-5/8 193.7	7.25 180.97	6.62 168.14	20 – 39 29.76 – 58	6.31 160.3
49CRAA-M/W	8-5/8 219.1	8.09 205.66	7.43 188.72	24 – 52 35.7 – 77.4	7.12 180.9
51CRAA-M/W	9-5/8 244.5	9.06 230.20	8.37 212.59	29.3 – 61.1 43.6 – 90.9	8.35 212.1
53CRAA-M/W	10-3/4 273.1	10.192 258.87	9.85 250.19	32.7 – 51.0 48.7 – 75.9	9.44 239.7
54CRAA-M/W	11-3/4 298.45	11.15 283.21	10.682 271.32	38 – 65 56.55 – 96.73	10.432 264.97
55CRAA-M/W	13-3/8 339.8	12.715 322.96	12.559 319.0	48 – 72 71.43 – 107.15	11.995 304.68
57CRAA-M/W	16" 406.40	14.438 366.73	15.250 387.35	65.0 – 128.0 96.73 – 190.49	14.120 358.70

WYOMING COMPLETION TECHNOLOGIES, INC.

1110 ROAD 9 PO BOX 46
 POWELL, WYOMING 82435
 PHONE: (307) 754-5429 FAX: (307) 754-5927
 EMAIL: HECHTS@DIRECTAIRNET.COM
 WEB: WCT.DIRECTAIRNET.COM