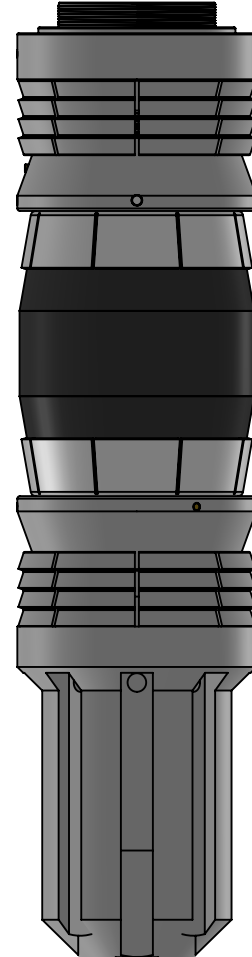


### **KAPPA WHM CEMENT RETAINER**

The Kappa cement retainer is an economical, fully drillable, cast iron cement retainer. The Kappa is designed for well abandonments, zone suspension, or isolation.

- **100 % CANADIAN MANUFACTURED**
- **360° RETAINING RINGS TO ASSIST IN PREVENTING ELEMENT EXTRUSION**
- **STANDARD VERSIONS RATED UP TO 70 MPa (10,000 PSI) AT 150 °C (300 °F)**
- **WIRELINE OR HYDRAULIC SETTING TOOLS**
- **COMPATIBLE TO BOLT & ALPHA SETTING TOOLS AND ADAPTER KITS**
- **AVAILABLE IN MID RANGE HIGH TEMPERATURE AT 200 °C (400 °F) AND THERMAL APPLICATION 425 °C (800 °F)**



### **TECHNICAL DATA**

<b>CASING SIZE</b>		<b>CASING WEIGHT</b>		<b>RETAINER OD</b>		<b>SETTING MIN.</b>		<b>SETTING MAX.</b>		<b>SETTING FORCE</b>	
in	mm	lbs/ft	kg/m	in	mm	in	mm	in	mm	lbs	daN
4 1/2	114.3	9.5-15.1	14.1-22.5	3.562	90.47	3.826	97.18	4.090	103.89	33,000	14,678
5	127.0	11.5-20.8	17.1-31.0	3.937	100.00	4.154	105.51	4.560	115.82	33,000	14,678
5 1/2	139.7	13.0-23.0	19.3-34.2	4.235	107.57	4.580	116.33	5.044	128.12	33,000	14,678
5 3/4	146.1	14.0-25.2	20.8-37.5	4.700	119.38	4.890	124.21	5.290	134.37	33,000	14,678
6 5/8	168.3	17.0-32.0	25.3-48	5.375	136.53	5.595	142.11	6.135	155.83	50,000	22,240
7	177.8	17.0-35.0	25.3-52.1	5.604	142.40	6.000	152.40	6.538	166.07	50,000	22,240
7 5/8	193.7	20.0-39.0	29.8-58.0	6.312	160.32	6.625	168.28	7.125	180.98	50,000	22,240
8 5/8	219.1	24.0-49.0	35.7-72.9	7.125	180.98	7.310	185.67	8.097	205.66	50,000	22,240
9 5/8	244.5	29.3-58.4	43.6-86.9	8.125	206.38	8.279	212.83	9.063	230.20	50,000	22,240
10 3/4	273.05	32.7-60.7	48.7-90.3	9.440	239.78	9.525	241.94	10.325	262.26	50,000	22,240
11 3/4	298.45	54.0-83.0	80.4-123.5	10.063	255.60	10.641	270.28	11.284	286.61	50,000	22,240
13 3/8	339.7	48.0-84.5	71.4-125.7	11.880	301.75	12.202	309.9	12.879	327.13	50,000	22,240