

SIZE TABLE & SETTING GUIDE

155 SERIES

Outside Dia of Casing mm (Inches)	Number of Segments	Approx Setting Guide Position
60 (2.362)	2	5
70 (2.756)	2	15
80 (3.150)	2	35
88.9 (3.50)	3	0
90 (3.543)	3	0
100 (3.937)	3	10
110 (4.331)	3	20
120 (4.724)	3	30
130 (5.118)	3	40
140 (5.512)	3	50
150 (5.905)	4	25
160 (6.299)	4	30
170 (6.693)	4	40
180 (7.087)	4	45

380 SERIES

Outside Dia of Casing mm (Inches)	Number of Segments	Approx Setting Guide Position
160 (6.299)	2	5
170 (6.693)	2	20
180 (7.087)	2	35
190 (7.480)	2	50
200 (7.874)	2	65
210 (8.268)	2	85
220 (8.661)	2	100
240 (9.449)	3	0
260 (10.236)	3	20
270 (10.630)	3	35
300 (11.811)	3	65
320 (12.598)	3	85
340 (13.386)	3	105
360 (14.173)	4	30
380 (14.961)	4	45
400 (15.748)	4	60
410 (16.142)	4	70
440 (17.323)	4	95
460 (18.110)	4	110
480 (18.898)	5	50
510 (20.079)	5	70
520 (20.472)	5	75
540 (21.260)	5	85
560 (22.047)	5	100
580 (22.835)	5	110
600 (23.622)	6	60
610 (24.016)	6	65
640 (25.197)	6	80
660 (25.984)	6	90
680 (26.772)	6	105
700 (27.559)	6	110
710 (27.953)	7	65
760 (29.921)	7	90

CAUTION: *kwik-ZIP*® centralizers should not be exposed to a naked flame or sparks from welding. Failure to shield the product whilst welding may result in ignition of the material or damage to the centralizer.

Note: Setting details shown above are intended as a guide only. For casing and screen diameters not shown in the tables, use the formula outlined on page 1 to calculate the approximate setting position.

kwik-ZIP®

INERT CENTRALIZER SYSTEMS
FOR THE DRILLING INDUSTRY

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IMPORTANT: PLEASE READ
INSTALLATION GUIDE FOR 155 and 380 SERIES
CASING CENTRALIZER

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INSTALLATION INSTRUCTIONS

Each 155 series *Kwik-ZIP*[®] centralizer segment has an effective maximum coverage of approximately 155mm (155mm circumference). Each 380 series segment covers a maximum circumference of approximately 380mm.

The tables on the back page of this guide indicate the number of 155 series and 380 series *Kwik-ZIP*[®] centralizer segments required and the approximate setting position for various pipe diameters.

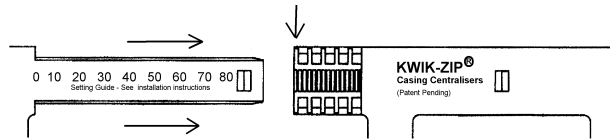
If the diameter of your casing is not listed on the tables, the setting guide position listed for the diameter closest to that of your casing can be used as a guide. Alternatively, the following formula may be used to calculate the approximate setting guide position:

Where: D = Outside Diameter of Casing (mm) **Note: 1 inch = 25.4 mm**

N = Number of *Kwik-ZIP*[®] centralizer segments,

155 Series: Suggested Setting Guide Position = $[(D+4) \times 22/7] \div N - 98$

380 Series: Suggested Setting Guide Position = $[(D+6) \times 22/7] \div N - 258$



Step 1. When you have established the appropriate setting guide position (see table on rear page), place the segments on a flat surface and insert the male section of each segment into the female coupling on the next segment as indicated by the arrows in the above diagram (diagram shows 155 Series *Kwik-ZIP*[®] Centralizer).

Step 2. Line the leading edge of each female coupling up with the appropriate number on the Setting Guide.

Step 3. Once all segments are set, they can be wrapped around the casing and the final joints can be fastened. This method allows the centralizer to be made up mostly by hand. The setting tool should only be required to tighten the last joint once the segments are fixed to the casing. It is recommended that this final installation occur when the casing is hanging in the mast.



Note: The setting tool locks in behind the reinforced tabs at the rear of the female coupling. Open the jaws on the setting tool enough to reach the nearest tool lug and tension the centralizer collars enough to ensure that they will not move on the casing. Do not over tension the collars.

Step 4. If necessary, adjust the bow height before fully tightening the last two couplings. This can be done by changing the distance between the top and the bottom centralizer collars. (The bow height is pre-set, however a rigid spacer under each bow ensures that the bows cannot collapse to less than 15mm).

Step 5. Once the centralizer has been tightened with the fastening tool, ensure that any excess length on the setting guide section of each segment is trimmed. This is easily done with a pair of tin snips or garden clippers and will ensure that the centralizer does not snag on formation when the casing is installed in the well.



Note: Snips are provided with the setting tool kit. The excess collar length should be trimmed as close as possible to the coupling.

Regulations regarding the use of centralizers vary between states, however it is considered best practice to use one centralizer for each length of casing and screen. The Ground Water Well Licence / Bore Licence (if applicable) in many states also requires one centralizer for each length of casing.

PRODUCT SELECTION GUIDE

This Installation Guide applies to the 155 Series & 380 Series *Kwik-ZIP*[®] centralizers. The 155 Series is recommended for casing with an outside diameter between 60mm and 160mm. Although the 155 Series can be used on casings with an outside diameter above 160mm, it is recommended that the 380 Series be used for casings with an outside diameter above 160mm.

The table below details part numbers and recommended maximum formation temperatures:

Model and Pre-Set Bow Height	Part Number	Max Formation Temperature (Deg C/F)	Recommended for use on Casing OD Nominal Diameter Range (Inches)
155 HT-C (0.79" / 20mm)	09810	- 20 C to 80 C	2" to 6"
155 HT-D (1 3/16" / 30mm)	09988	- 4 F to 176 F in certain applications (temperatures above 50 C / 122 F may require closer intervals).	2" to 6"
155 HT-E (2" / 50mm)	09865		2" to 6"
380 HT-D (1 3/16" / 30mm)	09964	- 20 C to 80 C	6" and above
380 HT-E (2" / 50mm)	09858	- 4 F to 176 F in certain applications (temperatures above 50 C / 122 F may require closer intervals).	6" and above