

# SIZE TABLE & SETTING GUIDE

## HD SERIES

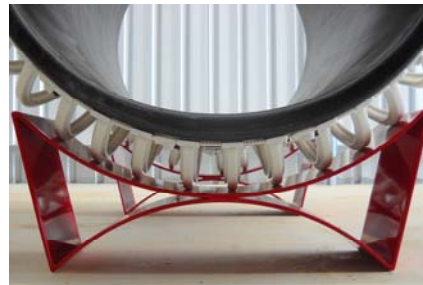
Nominal Pipe Size (NPS)	Outside Dia of Pipe (mm)	Outside Dia of Pipe (Inches)	*Suggested Number of Segments	Approx Setting Guide Position
	110	4.33	2	0
<b>4</b>	<b>114.30</b>	<b>4.50</b>	<b>2</b>	<b>15</b>
<b>4.5</b>	<b>127.00</b>	<b>5.00</b>	<b>2</b>	<b>30</b>
<b>5</b>	<b>141.30</b>	<b>5.563</b>	<b>2</b>	<b>55</b>
	160	6.30	2	85
<b>6</b>	<b>168.27</b>	<b>6.625</b>	<b>3</b>	<b>5</b>
	180	7.09	3	20
	200	7.87	3	40
<b>8</b>	<b>219.08</b>	<b>8.625</b>	<b>3</b>	<b>65</b>
	250	9.84	4	25
<b>10</b>	<b>273.05</b>	<b>10.75</b>	<b>4</b>	<b>45</b>
<b>12</b>	<b>323.85</b>	<b>12.75</b>	<b>4</b>	<b>80</b>
<b>14</b>	<b>355.60</b>	<b>14.00</b>	<b>5</b>	<b>50</b>
<b>16</b>	<b>406.40</b>	<b>16.00</b>	<b>6</b>	<b>35</b>
<b>18</b>	<b>457.20</b>	<b>18.00</b>	<b>6</b>	<b>65</b>
<b>20</b>	<b>508.00</b>	<b>20.00</b>	<b>7</b>	<b>55</b>
<b>24</b>	<b>609.60</b>	<b>24.00</b>	<b>8</b>	<b>65</b>
	650	25.59	9	50
	710	27.95	9	70
	800	31.50	10	75
	900	35.43	12	60
	1000	39.37	13	65
	1200	47.24	17	45
	1400	55.12	20	45
	1600	62.99	22	50

### 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 damage to the centralizer.

\*Note: For heavy pipe installed in the horizontal position, (eg. Cased Crossings), it is recommended that the No. of bows be maximised to support maximum load per spacer. Use the following formula to calculate the No. of segments per spacer for such heavy pipe:

No. of Segments = [Pipe OD (mm) x 3.1428] ÷ 180.  
(Round the result down to nearest whole number).



Example of bow configuration on large diameter heavy weight pipe.

# kwik-ZIP®

INERT CENTRALIZER & SPACER SYSTEMS  
FOR THE DRILLING & CIVIL CONSTRUCTION INDUSTRY

## INSTALLATION GUIDE

FOR

### HD SERIES (HD 30, HD 50, & HD 75)

FOR WELL CASING, SCREEN, PUMP RISER, AND  
PIPELINE CASED CROSSING APPLICATIONS ETC.



**IMPORTANT: PLEASE READ**

[www.kwikzip.com](http://www.kwikzip.com)

## PRODUCT SELECTION GUIDE

The table below details Model details, Part # and maximum operating temperatures:

Model & (Bow Height)	Part #	Max Operating Temperature (Deg C/F)	Recommended for use on Pipe Diameter:
HD 30 : (1 <sup>3</sup> / <sub>16</sub> " / ~ 30mm)	00992	80 C / 176 F	4" Nominal (110mm OD and above)
HD 50 : (2" / ~ 50mm)	00991		
HD 75 : (3" / ~ 75mm)	00993		

**All HD Series Centralizers / Spacers incorporate rubber grip pads under the collars to prevent slippage on the pipe.**

## INSTALLATION INSTRUCTIONS

The chart on the back page of this guide indicates the number of HD series *kwik-ZIP*<sup>®</sup> centralizer segments required and the approx setting position for various pipe diameters.

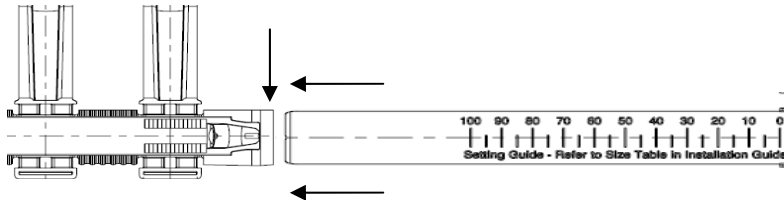
For heavy weight pipe and diameters greater than those listed, the following formula may be used to calculate the number of segments required. This will maximise the number of bows supporting the pipe for heavy loads.

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

N = Number of *kwik-ZIP*<sup>®</sup> centralizer segments,

**For heavy weight pipe:  $N = [D \times (22/7)] \div 180$**

SETTING GUIDE POSITION (REFER SIZE TABLE AND SETTING GUIDE)



**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 screw housing on the next segment as indicated by the arrows in the above diagram.

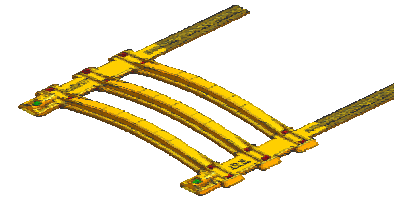
**Step 2.** Line the leading edge of each screw housing up with the appropriate number on the Setting Guide.

**Step 3.** Once all segments are set, they can be wrapped around the pipe and the final joints can be fastened. This method allows the centralizer to be made up mostly by hand.

A flat screwdriver of approx 6mm (<sup>5</sup>/<sub>16</sub>" ) is required to tighten the screws once the segments are fixed to the pipe.

**Important Note:**

**Do not over tension the screws as this may cause damage to the thread.**



**2 x HD 30 segments installed on 4" Stainless Steel Pipe.**