



## Installation Instructions for Centek Stop Collars using Stainless Steel screws

### Screw Type: **M12 x 1.5 (12mm Long) DIN916 45H**

The function of the Stop Collar within the borehole is considered as important as the Centraliser and subsequent Cementation.

Therefore, it is strongly advised to use proper equipment and installation methods.

Centek Stop Collars are supplied with Cup point Socket Head Set screws that are:

M12 dia. X 1.5mm pitch thread with 6 mm A/F female hex socket.

Depth of socket on 12mm long screws is ca 0.2"

Centek stainless steel screws are specially selected for thread form and pitch commensurate with design and axial holding loads – the use of non Centek supplied screws is *not permitted*.

### Clearance of stop collars either side of a centraliser

Should the centraliser be fully compressed, the developed length must not be greater than the distance between inner edges of the stop collars

Recommended to have minimum 1" clearance either side of centraliser to inner edges of stop collar, on all sizes up to 11-3/4" casing and minimum 2" clearance either side on all sizes above 11-3/4" casing. 7" & 7-5/8" centralisers, the distance between inner edges of stop collars to be ca 17"

### ONLY USE THE TOOLS SUPPLIED

We have identified a quick release tool and bit made from round bar with key diameters larger than the standard profile.

This is a patented 'HEX PLUS' profile machined for a precision fit.

The Allen key geometry drives from the 'FLATS' and not the corners, this allows more torque and reduces rounding.

Centek Part Number for tool: SA12-HTLL

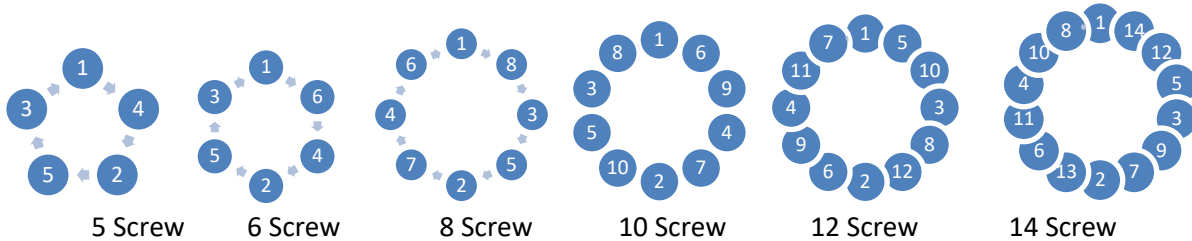
**Failure to use the correct tool will cause rounding of the screws.**

**Apply torque @ 30 lb.ft. (40.7Nm)**

## Correct sequence of tightening

It is necessary to ensure uniform drive in of the screws so that the collar ring body is near central to the pipe centre.

Common practice is to spin the screws in all round with a very low torque, establishing central to pipe condition, then apply final torque in a suggested radial sequence:

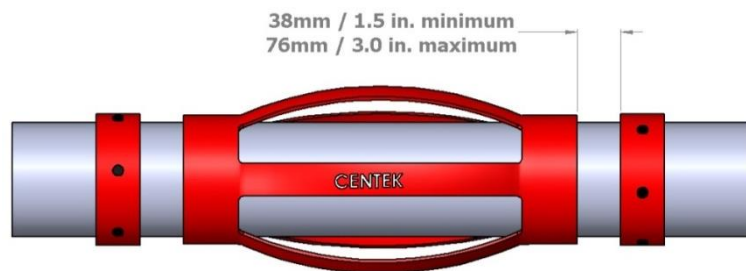


### Number of screws per collar:

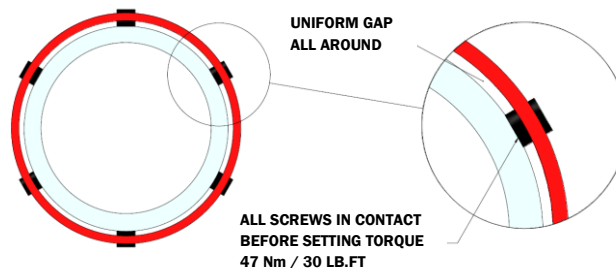
<u>5</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>14</u>
1 & 3	1 & 4	1 & 5	1 & 6	1 & 7	1 & 8
5 & 2	6 & 3	3 & 7	9 & 4	4 & 10	5 & 12
4	5 & 2	4 & 8	8 & 2	2 & 8	4 & 11
		6 & 2	5 & 10	12 & 5	7 & 14
			3 & 7	9 & 3	6 & 13
				11 & 6	10 & 3
					9 & 2

### Installation of collar

Stop collars placed 1.5" - 3" distance from centralizer.



Set screw depth to be adjusted so collar is equal distant from casing on all sides.



**Apply torque @ 30 lb.ft. (40.7Nm)**