



GENERAL PRODUCT SHEET

Casing Circulator Packer – Casing Circulator Inflatable Packer System

PRODUCT DESCRIPTION:

The Casing Circulator Packer (CE Tool) is a device used to fill casing while it is being run in the well. It is connected to the top drive (or conventional blocks) on the rig and inserted into the casing to allow easy filling of every joint, as well as a quick and reliable means to establish circulation when required. The CE Tool incorporates the TAM proprietary weave element design.

For normal casing operations, each joint is filled through the TAM CE Tool as it is lowered into the well, reducing fill-up time by more than 1/2 a minute per joint. Should the casing string become stuck, the CE Tool quickly inflates and converts to circulation mode in less than a minute without having to set the slips and/or send a man into the derrick.

PROVIDE SOLUTIONS FOR:

- Filling casing while it is being run in the well
- Circulating through the casing string with the ability to work a full casing joint should the casing become stuck

FEATURES:

- Installs easily on all rig designs (top drive and non-top drive)
- Does not require threading to the casing
- Does not damage the casing while being used due to not having slips
- Flexibility to run a range of casing sizes with various weights, thread types, and exotic materials
- Packer elements available for casing sizes 4-1/2 in. up to 30 in. (114.3 mm to 762 mm)

BENEFITS:

- Runs as an integral part of casing operations with minimal installation
- Fills the casing while running – no separate fill-up line required
- Converts quickly to circulating mode – no need to set slips
- Internal check valve prevents mud from dripping on the rig floor

TOOL TYPE:

For non-top drive rigs, the CE Tool is made up to the hook via a bail with a separate hydraulic line to inflate the packer element and a side entry port for connecting the mud line. The hydraulic line runs from the TAM-supplied pump console to the inflatable packer element on the Casing Circulator Packer.

For top drive rigs, the CE Tool is made up to the power swivel via a 4-1/2 in. IF connection with a separate hydraulic line to inflate the packer element. The hydraulic line runs from the TAM-supplied pump console to the inflatable packer element on the Casing Circulator Packer.



**Casing Circulator Packer – Casing Circulator Inflatable Packer System****TOOL SPECIFICATIONS:**

Packer OD		Casing OD		Working Pressure	
in.	mm	in.	mm	PSI	BAR
3-1/16	77.8	4-1/2	114.3	4000	276
		5	127	3500	241
		5-1/2	139.7	2500	172
		5-3/4	146	2500	172
5-1/16	128.6	6-5/8	168.3	4000	276
		7	177.8	3800	262
		7-5/8	193.7	3000	207
		8-5/8	219.1	1800	124
7	177.8	9-5/8	244.5	4000	276
		10-3/4	273.1	2800	193
		11-3/4	298.5	2000	138
10	254	13-3/8	339.7	3200	221
		14	355.6	2800	193
		16	406.4	2500	172
14	355.6	16	406.4	2000	138
		18-5/8	473.1	1200	83
		20	508	1000	69
16	406.4	18-5/8	743.1	1200	83
		20	508	1000	69
		24	609.8	700	48
22	558.8	26	660.4	350	24
		28	711.2	350	24
		30	762	350	24