

## B20/B105/B110/B120 HYDRAULIC SETTING TOOL

### PRODUCT 10-270 AND 10-271

The **TechWest B Setting Tools** are pressure activated setting tools ran on jointed tubing, coiled tubing or drill pipe. It is used to set packers which are normally set on wireline or hydraulically.

The TechWest B Setting Tool uses a bottom connection equivalent to the Baker E-4 wireline setting tools. It is standard equipped with three (3) pistons and is designed so additional piston sections may be added to lower the necessary setting pressure.

To prevent possible tubing collapse, the B Setting Tool setting tool may be ran in series with the TechWest Auto Flow Sub (10-274) allowing fluid to enter the tubing while running in hole. A ball drop shifts the ports closed prior to activating the Setting Tool.

For small-bore OD (thru-tubing applications), the TechWest B105 tool is recommended as it is filled with hydraulic oil providing additional setting force. For large-bore OD the TechWest B20 setting tool is recommended.

### OPERATION

This Setting Tool uses the same adapters for running as are used with a Baker E-4 Wireline Setting Tool.

The B Setting Tool is run into the desired setting depth and the ball is dropped to the ball seat in the tool (when used on Coiled Tubing the ball is ran in place). Sufficient pressure is applied to set and pack off the packer. The pressure, or combination of pressure and tubing tension, then shears the Shear Stud or Ring, freeing the Setting Assembly from the packer. The Setting Tool will automatically drain the Tubing String as it is being pulled.



SPECIFICATIONS

10-270 SPECIFICATION GUIDE								
Product Name	Product Number	Body OD		Equiv. E4 Assembly	Max Shear Rating		Thread	
		in	mm		lb	daN	Size	Standard Connection
							in / mm	
B20	10-270-0425	4.250	107.9	20#	50,000	22,200	3 1/2 88.9	EUE

10-271 SPECIFICATIONS								
Product Name	Product Number	Body OD		Equiv. E4 Assembly	Max Shear Rating		Thread	
		in	mm		lb	daN	Size	Standard Connection
							in / mm	
B105	10-271-0181	1.81	46.0	5#	15,000	7,000	1.00 25.4	LPT
B110	10-271-0300	3.50	88.9	10#	30,000	13,300	2 3/8 60.3	EUE
B110	10-271-0312	3.06	88.9	10#	30,000	13,300	2 3/8 60.3	EUE
B110	10-271-0350	3.50	88.9	10#	35,000	15,500	2 3/8 60.3	EUE
B120	10-271-0425	3.80	107.9	20#	50,000	22,200	2 7/8 60.3	EUE