

Backpacker™ Compensator System



Key Benefits and Features

- Supports the weight of the joint or stand such that little weight is on the threads of connection during rotation for make-up or back out of a threaded connection
- Stainless steel remote control cabinet with air/hydraulic control system controlled from rig floor
- Can be used for single joints or stands of pipe
- Works during make-up or back-out

Use in the following applications: **Deepwater and ultra-deepwater** Shelf Land

The Backpacker™ compensator system is designed to aid in the running and pulling of premium threaded tubulars. Use of this system allows the driller to position the add-on joint or stand, just above the box connection. From that point the Backpacker™ controls all joint/stand movement. The Backpacker™ is referred to as the “intelligent compensator” due to its unique feature whereby each joint or stand is individually

weighed by the Backpacker™ system. Using the unique joint or stand weight, the Backpacker™ allows the joint or stand to be compensated such that only a minimum axial load is applied to the pin/box threads being made up. With this level of compensation control, premium connections can run with confidence that the pin nose will not be damaged during stab-in and galling will be greatly reduced or eliminated.

Specifications

Cylinder Length Retracted	55.1 inches [1,400 millimeters]
Cylinder Length Fully Extended	88.6 inches [2,250 millimeters]
Unit Air Supply	120 pounds per square inch [8 bar]
Control Unit	110 pounds [50 kilograms]
Available Sizes	1.5 tons, 5.0 tons, and 8.5 tons



Dimensions provided are approximate and do not include associate rigging