

HD STRADDLE PACKER

PRODUCT 10-162

The **TechWest HD Straddle Packer** is an integral packer used to selectively isolate a pre-determined length of casing or tubulars. The length of spacing is generally available from 0.5 up to 3.0 m.

Featuring two sets of three packing elements, an automatic equalizing system and button type hydraulic slips, the HD packer is securely positioned under high pressure differentials.

Once the packer is set, a higher differential on the tubing side will engage the slip buttons into the casing wall and a higher differential pressure on the annulus will cause the buttons to retract.

FEATURES

- Quarter turn right-hand turn, straight pull release.
- Custom straddle spacing

OPERATION

With last motion up, rotate $\frac{1}{4}$ turn to the right. Set down weight closes the bypass and sets the packer. Test the packer in blank casing, and work from the lowest interval up.

The packer is released with straight pickup and may be pulled up hole. To set the tool again simply set down.

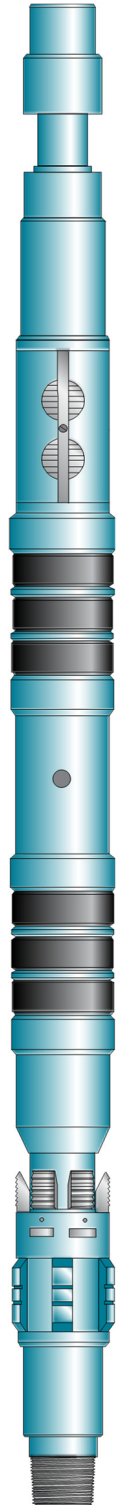
To enable downward travel in the well again, the tool must be turned $\frac{1}{4}$ turn to the left.

ACCESSORIES

Swabbing - A wireline retrievable *Drop Bar* (product no. 10-068) is used to blank off inside the tool and can be used as a standing valve to swab the well.

Precision Injection Volume - A *Mechanical or Hydrostatic Model A Fluid Control Valve* (product No. 10-308 and 10-134) to switch the injection port open or closed. These control valves are especially useful when precise injection volume is required.

Safety Bleeder Valve - The safety bleeder valve is installed on surface to check fluid prior to breaking connections; recommended especially when acid is being used.



SPECIFICATIONS

| 10-162 SPECIFICATION GUIDE | | | | | | | | | | |
|-----------------------------------|---------------|-----------|-----------|-----------|-----------------------|-----------------|-----------|--------------------|-----------------|-------------------|
| OD | Casing | | | | Product Number | Gauge OD | | Body OD | Min Bore | EUE Thread |
| | Weight | | ID | | | in | mm | | | |
| in / mm | in | mm | in | mm | | in | mm | in / mm | in / mm | in / mm |
| 4 1/2 114.3 | 13.5 | 20.1 | 3.920 | 99.6 | 10-162-0450 | 3.880 | 96.5 | 3.750 | 1.940 | 2 3/8 |
| | 9.5 | 14.1 | 4.090 | 103.9 | | | | 95.3 | 49.3 | 60.3 |
| 5 127.0 | 18.0 | 26.8 | 4.276 | 108.6 | 10-162-0500 | 4.062 | 103.2 | 4.000 | 1.94 | 2 3/8 |
| | 15.0 | 22.3 | 4.408 | 112.0 | 10-162-0510 | 4.250 | 108.0 | | | |
| | 13.0 | 19.3 | 4.494 | 114.2 | | | | 10-162-0510 | 4.250 | 108.0 |
| | 11.5 | 17.1 | 4.560 | 115.8 | 101.6 | 49.3 | 60.3 | | | |
| 5 1/2 139.7 | 26.0 | 38.7 | 4.548 | 115.5 | 10-162-0510 | 4.250 | 108.0 | 4.000 | 1.94 | 2 3/8 |
| | 23.0 | 34.2 | 4.670 | 118.6 | 10-162-0550 | 4.500 | 114.3 | | | |
| | 20.0 | 29.8 | 4.778 | 121.4 | | | | 10-162-0550 | 4.500 | 114.3 |
| | 17.0 | 25.3 | 4.892 | 124.3 | 10-162-0560 | 4.641 | 117.9 | | | |
| | 17.0 | 25.3 | 4.892 | 124.3 | | | | 10-162-0560 | 4.641 | 117.9 |
| | 15.5 | 23.1 | 4.950 | 125.7 | 10-162-0570 | 4.728 | 120.1 | | | |
| | 15.5 | 23.1 | 4.950 | 125.7 | | | | 10-162-0570 | 4.728 | 120.1 |
| | 13.0 | 19.3 | 5.044 | 128.1 | 114.3 | 49.3 | 73.0 | | | |
| 6 5/8 168.3 | 32.0 | 47.6 | 5.675 | 114.2 | 10-162-0650 | 5.560 | 141.2 | 5.560 | 2.250 | 2 7/8 |
| | 28.0 | 41.7 | 5.791 | 147.1 | | | | | | |
| | 24.0 | 35.7 | 5.921 | 150.4 | 10-162-0660 | 5.658 | 143.7 | 5.560 | 2.250 | 2 7/8 |
| | 20.0 | 29.8 | 6.049 | 153.6 | | | | | | |
| 7 177.8 | 38.0 | 56.6 | 5.920 | 150.4 | 10-162-0660 | 5.658 | 143.7 | 5.560 | 2.250 | 2 7/8 |
| | 35.0 | 52.1 | 6.004 | 152.5 | 10-162-0700 | 5.875 | 149.2 | | | |
| | 32.0 | 47.6 | 6.094 | 154.8 | | | | 10-162-0700 | 5.875 | 149.2 |
| | 29.0 | 43.2 | 6.184 | 157.1 | 10-162-0710 | 6.023 | 153.0 | | | |
| | 26.0 | 38.7 | 6.276 | 159.4 | | | | 10-162-0710 | 6.023 | 153.0 |
| | 23.0 | 34.2 | 6.366 | 161.7 | 10-162-0720 | 6.230 | 158.2 | | | |
| | 20.0 | 29.8 | 6.456 | 164.0 | | | | 10-162-0720 | 6.230 | 158.2 |
| | 17.0 | 25.3 | 6.538 | 166.1 | 146.1 | 57.6 | 73.0 | | | |
| 9 5/8 244.5 | 53.5 | 79.6 | 8.535 | 216.8 | 10-162-0950 | 8.285 | 210.4 | 8.120 | 3.000 | 3 1/2 |
| | 47.0 | 69.9 | 8.681 | 220.5 | | | | | | |
| | 43.5 | 64.7 | 8.755 | 222.4 | 10-162-0960 | 8.500 | 215.9 | 8.120 | 3.000 | 3 1/2 |
| | 32.3 | 48.1 | 9.001 | 228.6 | | | | | | |
| 13 3/8 339.7 | 85.0 | 126.5 | 12.159 | 308.8 | 10-162-1350 | 11.750 | 298.5 | 11.620 | 3.960 | 4 1/2 |
| | 72.0 | 107.1 | 12.347 | 313.6 | | | | | | |
| | 68.0 | 101.2 | 12.415 | 315.3 | 10-162-1360 | 12.120 | 307.8 | 11.620 | 3.960 | 4 1/2 |
| | 48.0 | 71.4 | 12.715 | 323.0 | | | | | | |