

TECHSET I (10K AND HP) MECHANICAL PACKER

PRODUCT 15-603

The **TechWest TechSet I 10K and HP Mechanical Packer** is a high pressure, retrievable, ¼ right-hand turn set and release production packer that has the versatility to be landed in tension, compression, or neutral position.

The TechSet I 10K and HP packer is the high-pressure version of the TechSet I packer. The TechSet 10K packer ranges in sizes from 2 7/8 up to 7", and the TechSet I HP ranges from 7 5/8 and larger.

FEATURES

- Stocked in P110 material for high pressure applications
- Can be set using tension or compression
- Right-hand 1/4 turn set and release
- Field-proven easy to release retrieving system with optional safety-rotational release
- Bypass located below upper slips to wash debris off slips once opened.
- Readily converts to wireline set – tubing retrieval (select sizes)
- Can be run with On-Off Tool and wireline plug to act as a bridge plug
- Can be left in tension, compression, or neutral position
- Extra large Jay Pin for extra strength during frac operations
- Ideal for use with fiberglass tubing

OPERATION

The Techset Packer is ¼ turn RH set, ¼ turn RH release, with optional emergency shear release.

TECHSET I (7K AND 5K) MECHANICAL PACKER

PRODUCT 15-604

The TechWest TechSet I (7K and 5K) Mechanical Packer is an economical version of the TechSet Packer, stocked in 80K material.



SPECIFICATIONS

| 15-603 and 15-604 SPECIFICATION GUIDE | | | | | | | | | | | |
|--|---------------|---------------|---------------|-------------------------|-----------|---------------|-----------|----------------------------|------------------------------|------------------------|---------------------------|
| Casing | | | | Techset I Packer | | | | | | | |
| OD | Weight | Min ID | Max ID | Max OD | | Min ID | | Standard Connection | Press. rating (psi)** | Product Number* | Product Number Ref |
| in / | lb /ft | in | in | in | mm | in | mm | | | | |
| 2 7/8 | 6.4-6.5 | 2.376 | 2.441 | 2.250 | 57.2 | 0.609 | 15.5 | 1.05 EU 10 RD | 10K | 15-603-1025 | TW603-25H |
| 3 1/2 | 7.7-10.2 | 2.922 | 3.068 | 2.781 | 70.6 | 1.250 | 31.8 | 1.50NU 10 RD | 10K | 15-603-1535 | TW603-30H |
| 4 | 9.5-11.0 | 3.476 | 3.548 | 3.250 | 82.6 | 1.500 | 38.1 | 1.50NU 10 RD | 10K | 15-603-1540 | TW603-40H |
| 4 1/2 114.3 | 15.1-16.6 | 3.754 | 3.826 | 3.594 | 91.3 | 1.500 | 38.1 | 1.90NU 10 RD | 10K | 15-603-1941 | TW603-41H |
| | 13.5-15.1 | 3.826 | 3.920 | 3.680 | 93.5 | 1.938 | 49.2 | 2 3/8 EU 8 RD | 10K | 15-603-2346 | TW603-46H |
| | 9.5-13.5 | 3.920 | 4.090 | 3.750 | 95.3 | 1.938 | 49.2 | | | 15-603-2345 | TW603-45H |
| 5 127.0 | 18.0-20.8 | 4.156 | 4.276 | 4.000 | 101.6 | 1.938 | 49.2 | 2 3/8 EU 8 RD | 10K | 15-603-2352 | TW603-52H |
| | 11.5-15.0 | 4.408 | 4.560 | 4.125 | 104.8 | 1.938 | 49.2 | | | 15-603-2350 | TW603-50H |
| 5 1/2 139.7 | 20.0-23.0 | 4.670 | 4.778 | 4.500 | 114.3 | 1.984 | 50.4 | 2 3/8 EU 8 RD | 10K | 15-603-2357 | TW603-57H |
| | 14.0-20.0 | 4.892 | 5.044 | 4.625 | 117.5 | 1.984 | 50.4 | | | 15-603-2355 | TW603-55H |
| | 20.0-23.0 | 4.670 | 4.778 | 4.500 | 114.3 | 2.375 | 60.3 | 2 7/8 EU 8 RD | 10K | 15-603-2759 | TW603-59H |
| | 15.5-17.0 | 4.892 | 4.950 | 4.625 | 117.5 | 2.375 | 60.3 | | | 15-603-2756 | TW603-56H |
| | 9.0-13.0 | 5.044 | 5.192 | 4.875 | 123.8 | 2.359 | 59.9 | | | 15-603-2758 | TW603-62H |
| 5 3/4 146.1 | 14.0-17.0 | 5.190 | 5.290 | 4.875 | 123.8 | 2.359 | 59.9 | 2 7/8 EU 8 RD | 10K | 15-603-2758 | TW603-62H |
| | 18.6-25.0 | 4.882 | 5.118 | 4.625 | 117.5 | 1.984 | 50.4 | 2 3/8 EU 8 RD | 10K | 15-603-2360 | TW603-55AH |
| 6 5/8 168.3 | 24.0-32.0 | 5.675 | 5.921 | 5.500 | 139.7 | 2.375 | 60.3 | 2 7/8 EU 8 RD | 10K | 15-603-2765 | TW603-65H |
| | 20.0-24.0 | 5.921 | 6.049 | 5.750 | 146.1 | 3.000 | 76.2 | 3 1/2 EU 8 RD | 10K | 15-603-2768 | TW603-68H |
| | 17.0-24.0 | 5.921 | 6.135 | 5.750 | 146.1 | 2.500 | 63.5 | 2 7/8 EU 8 RD | 10K | 15-603-2767 | TW603-67H |
| 7 177.8 | 26.0-32.0 | 5.875 | 6.276 | 5.890 | 149.6 | 2.500 | 63.5 | 2 7/8 EU 8 RD | 10K | 15-603-2770 | TW603-70H |
| | 17.0-26.0 | 6.276 | 6.538 | 6.000 | 152.4 | 2.500 | 63.5 | | | 15-603-2771 | TW603-72H |
| | 26.0-35.0 | 6.004 | 6.276 | 5.875 | 149.2 | 3.000 | 76.2 | 3 1/2 EU 8 RD | 7.5K | 15-603-3570 | TW603-73HP |
| | 17.0-26.0 | 6.276 | 6.538 | 6.000 | 152.4 | 3.000 | 76.2 | | | 15-603-3571 | TW603-74HP |
| 7 5/8 193.7 | 33.7-39.0 | 6.625 | 6.766 | 6.458 | 164.0 | 2.484 | 63.1 | 2 7/8 EU 8 RD | 7.5K | 15-603-2775 | TW603-75-HP |
| | 33.7-39.0 | 6.625 | 6.766 | 6.458 | 164.0 | 2.484 | 63.1 | 3 1/2 EU 8 RD | | 15-603-3575 | TW603-77HP |
| | 24.0-29.7 | 6.875 | 7.025 | 6.677 | 169.6 | 2.484 | 63.1 | 2 7/8 EU 8 RD | 7.5K | 15-603-2776 | TW603-76HP |
| | 24.0-29.7 | 6.875 | 7.025 | 6.677 | 169.6 | 2.484 | 63.1 | 3 1/2 EU 8 RD | | 15-603-3576 | TW603-78HP |
| 8 5/8 219.1 | 32.0-40.0 | 7.725 | 7.921 | 7.500 | 190.5 | 4.000 | 101.6 | 3 1/2 EU 8 RD | 7.5K | 15-603-3585 | |
| | 24.0-29.4 | 7.981 | 8.097 | 7.750 | 196.9 | 4.000 | 101.6 | | | 15-603-3586 | |
| | 32.0-40.0 | 7.725 | 7.921 | 7.500 | 190.5 | 4.000 | 101.6 | 4 1/2 EU 8 RD | 7.5K | 15-603-4585 | TW603-82H |
| | 24.0-29.4 | 7.981 | 8.097 | 7.750 | 196.9 | 4.000 | 101.6 | | | 15-603-4586 | TW603-83H |
| 9 5/8 244.5 | 43.5-53.5 | 8.535 | 8.755 | 8.250 | 209.6 | 4.000 | 101.6 | 4 1/2 EU 8 RD | 7.5K | 15-603-4595 | TW603-95H |
| | 32.3-43.5 | 8.755 | 9.001 | 8.500 | 215.9 | 4.000 | 101.6 | | | 15-603-4596 | TW603-96H |
| 10 3/4 | 32.75-45.5 | 9.950 | 10.19 | 9.687 | 246.0 | 4.000 | 101.6 | 4 1/2 EU 8 RD | 3.5K | 15-603-4510 | TW603-10H |
| 13 3/8 | 48.0-72.0 | 12.35 | 12.72 | 12.00 | 304.8 | 4.000 | 101.6 | 4 1/2 EU 8 RD | 3.5K | 15-603-4513 | TW603-13H |

*For the 7K and 5K packers, 15-603 is substituted for 15-604 in the Product number.

**Pressure rating shown is for the 10k series (Product 15-603)