

## MAPSET – MECHANICAL SET RETRIEVABLE PRODUCTION PACKERS



The Model MAPSET single string Mechanical Production Packer is a retrievable, double-grip compression or tension-set production packer that holds pressure from above or below. Once set the tubing string can be left in tension, compression, or in a neutral position. A large internal bypass reduces the swabbing effect during run-in and retrieval, and closes when the packer is set. When the packer is released, the bypass opens first, allowing the pressure to equalize before the upper slips are pulled from the casing. The Model MAPSET also features an upper slip releasing system that reduces the force required to release the packer. A non-directional slip is released first, making it easier to release the other slips. These flexible features allow the MAPSET to be run in a variety of applications ranging from Production Packer to Bridge Plug to Service Packer.

- Internal bypass reduces swabbing.
- Holds pressure differentials of 7,500 psi max from above or below.
- 10,000 psi (10K) option for higher pressure applications. See MAPSET-HP.
- Only one-quarter right rotation is required to set and release.
- Tubing string can be held in tension, compression or neutral set while the packer remains engaged.
- Optional shear release features available upon request.
- Packing element options are available for hostile environments.
- Bypass valve is below upper slips so the debris is washed from slips when the valve is opened.
- Can be configured with Carbide Slips and Drag Blocks for premium casing.
- PTFE Coating available for hostile environment.
- Parts interchangeable with other manufacturers.

| Part Number | Casing OD | Casing Wt | Setting Range Min ID | Setting Range Max ID | Tool OD | Tool ID | Threads Box Up - Pin Down |
|-------------|-----------|-----------|----------------------|----------------------|---------|---------|---------------------------|
| CPS5330001  | 4 1/2     | 15.1-16.6 | 3.754                | 3.826                | 3.594   | 1.500   | 1.900" NU 10RD            |
| CPS5330002  | 4 1/2     | 9.5-13.5  | 3.920                | 4.090                | 3.750   | 1.938   | 2-3/8" EU 8RD             |
| CPS5330003  | 4 1/2     | 13.5-15.1 | 3.826                | 3.920                | 3.650   | 1.938   | 2-3/8" EU 8RD             |
| CPS5330006  | 5         | 18-20.8   | 4.156                | 4.276                | 4.000   | 1.938   | 2-3/8" EU 8RD             |
| CPS5330007  | 5         | 11.5-15   | 4.408                | 4.560                | 4.125   | 1.938   | 2-3/8" EU 8RD             |
| CPS5331001  | 5 1/2     | 20-23     | 4.670                | 4.778                | 4.500   | 1.938   | 2-3/8" EU 8RD             |
| CPS5331002  | 5 1/2     | 14-20     | 4.778                | 5.012                | 4.625   | 1.938   | 2-3/8" EU 8RD             |
| CPS5331006  | 5 1/2     | 20-23     | 4.670                | 4.778                | 4.500   | 2.375   | 2-7/8" EU 8RD             |
| CPS5331007  | 5 1/2     | 15.5-17   | 4.892                | 4.950                | 4.625   | 2.375   | 2-7/8" EU 8RD             |
| CPS5331008  | 5 1/2     | 13-14     | 5.012                | 5.044                | 4.813   | 2.375   | 2-7/8" EU 8RD             |
| CPS5331009  | 5 1/2     | 9-13      | 5.044                | 5.192                | 4.813   | 2.375   | 2-7/8" EU 8RD             |
| CPS5332001  | 6 5/8     | 24-32     | 5.675                | 5.921                | 5.500   | 2.5     | 2-7/8" EU 8RD             |
| CPS5332002  | 6 5/8     | 20-24     | 5.921                | 6.049                | 5.750   | 3       | 3-1/2" EU 8RD             |
| CPS5332003  | 6 5/8     | 17-24     | 5.921                | 6.135                | 5.750   | 2.5     | 2-7/8" EU 8RD             |
| CPS5332004  | 7         | 26-32     | 6.094                | 6.276                | 5.875   | 2.5     | 2-7/8" EU 8RD             |
| CPS5332005  | 7         | 17-26     | 6.276                | 6.538                | 6.000   | 2.5     | 2-7/8" EU 8RD             |
| CPS5332006  | 7         | 26-32     | 6.094                | 6.276                | 5.875   | 3       | 3-1/2" EU 8RD             |
| CPS5332007  | 7         | 17-26     | 6.276                | 6.538                | 6.000   | 3       | 3-1/2" EU 8RD             |
| CPS5333001  | 7 5/8     | 33.7-39   | 6.625                | 6.765                | 6.437   | 2.5     | 2-7/8" EU 8RD             |
| CPS5333002  | 7 5/8     | 33.7-39   | 6.625                | 6.765                | 6.437   | 3       | 3-1/2" EU 8RD             |
| CPS5333003  | 7 5/8     | 24-29.7   | 6.875                | 7.025                | 6.672   | 3       | 3-1/2" EU 8RD             |
| CPS5333004  | 7 5/8     | 24-29.7   | 6.875                | 7.025                | 6.672   | 2.5     | 2-7/8" EU 8RD             |
| CPS5335001  | 9 5/8     | 43.5-53.5 | 8.535                | 8.755                | 8.250   | 4       | 4-1/2 EU 8RD              |
| CPS5335002  | 9 5/8     | 32.3-43.5 | 8.755                | 9.001                | 8.500   | 4       | 4-1/2 EU 8RD              |

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