

# Well Construction

## Cementing Technologies

### Casing Wiper Plugs

Expro's Casing Wiper Plugs help in wiping casing ID and provides a barrier between cement and displacement fluids.

#### TYPE 610/615 – Standard Plugs

Standard profile that is compatible with any float equipment that has a flat landing surface.

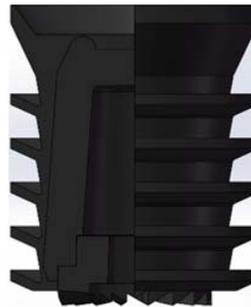
#### TYPE 600/605 – Non-Rotating Plugs

The non-rotating Casing Wiper Plugs are retrofitted with durable, high temperature plastic inserts to prevent plugs from spinning during drill out. Non-rotating plugs have locking teeth on both the top and bottom plugs and on specially designed Float Collars which allow the system to lock together during drill out.

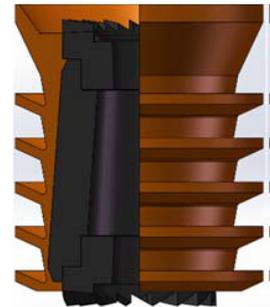
#### Features and benefits

- Plastic core allows for fast drill outs.
- Multiple fin design provides efficient wiping and sealing.
- Capable of withstanding up to 5000 PSI bump pressure (size dependent).
- Standard service temperature using natural rubber material: 180°F.
- High service temperature using HBNR material: 300°F.
- PDC and Tri-cone drillable.

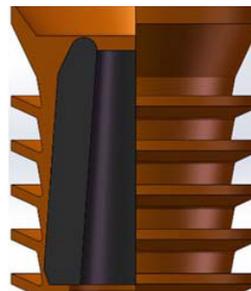
Non-rotating top plug



Non-rotating bottom plug



Standard top plug



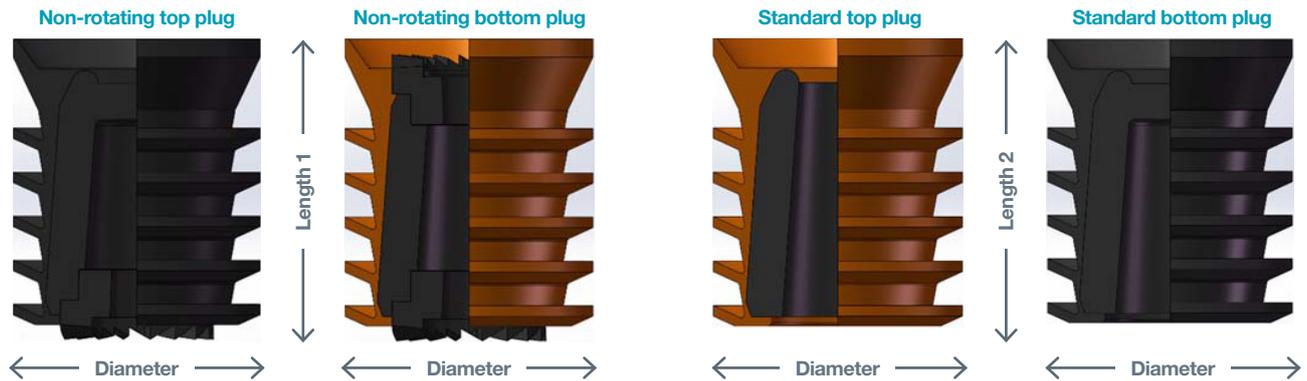
Standard bottom plug



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#### Specifications

Nominal size (in)	Casing weight (lb/ft)	Bump pressure (psi)	Diameter (in)	Length 1 (in)	Length 2 (in)
4 1/2"	9.50 - 15.10	5,000	4.28	7.88	7.88
5"	11.50 - 21.00	5,000	4.76	9.25	8.94
5 1/2"	14.00 - 29.70	5,000	5.26	8.94	8.94
6 5/8"	17.00 - 32.00	5,000	6.31	9.31	8.88
7"	17.00 - 38.00	5,000	6.73	9.07	9.50
7 5/8"	20.00 - 55.30	5,000	7.31	9.30	9.30
8 5/8"	24.00 - 49.00	5,000	8.36	10.15	9.75
9 5/8"	29.30 - 53.50	5,000	9.43	11.10	9.75
9 7/8"	62.80 - 68.80	5,000	9.43	11.10	9.75
10 3/4"	32.75 - 55.50	3,600	10.20	11.00	11.00
11 3/4"	38.00 - 83.00	3,600	11.25	11.00	11.00
13 3/8"	48.00 - 72.00	3,600	13.00	12.70	12.70