

# Medium Expansion Retrievable Bridge Plug (ME & ME with Prong)



## Description

### Medium Expansion Bridge Plug (ME)

The ME is a high performance bridge plug/packer that features a solid elastomeric element, a robust anchoring module and an internal junk extension.

The plug series has been tested to differential pressures up to 345 bar (5000 psi)\* at temperatures up to 150 °C (302 °F)\*. It's qualified in accordance with the ISO 14310:2008 international standard up to validation grade Vo.

\* Applies to certain sizes of ME plugs, please contact us for details.

### Medium Expansion Bridge Plug with Prong (ME with Prong)

The ME with Prong was developed for high debris environments, where equalizing and pulling can pose a challenge. The Prong is designed to be used as an add-on to the ME product line, allowing all ME Bridge Plugs to be easily converted to include the Prong module.

The Prong module prevents debris from entering the ME Bridge Plug, and features a Junk Basket for the collection of debris.

## Application

### Medium Expansion Bridge Plug

The ME can be used as a temporary or permanent barrier. It's designed to withstand bi-directional pressure which allows the plug to be set in cross flow. It can be run as an isolation plug with the option of incorporating a Junk Extension, or it can be run as a packer with or without equalising. It's ideal for workover applications: well control barrier, packer for injection valve, fixed choke etc.

It can be equalised and retrieved with standard GS in a single operation (no prong required), and it can be run on slickline, e-line, coiled tubing and pipe.

### ME with Prong

The ME with Prong enables easy equalizing and pulling of ME Bridge Plugs in high debris environments. It takes only one run to set, and retrieval is completed in two runs using the same standard GS. Retrieval is easy even when the Prong is in overbalance. During retrieval, in the first run the prong is pulled and the plug is left equalized with an open ID down to the equalizing ports. During the second run, the plug is pulled.

# Medium Expansion Retrievable Bridge Plug (ME & ME with Prong)

## Benefits

- **The ME Bridge Plug** has a slim design and is ideal for workover applications such as Barrier Bridge Plug, Packer for injection valve, fixed choke etc.
- **The ME with Prong** enables easy equalizing and pulling of ME Bridge Plugs in high debris environments
- **The ME with Prong** takes only one run to set, and retrieving is completed in two runs
- For both, other sizes are available on request

## Technical Specifications (ME)

Model	Csg Size	Csg Wt (lbs/ft)	OD	ID	GS	Min Setting ID Nominal value	Max Setting ID Nominal value
175-238 ME	2 3/8"	4.6/4.7	1.75"	N/A	1 1/2"	1.867"	1.995"
217-288 ME	2 7/8"	6.4/6.5-7.8/7.9	2.17"	N/A	2"	2.323"	2.441"
252-350 ME	3 1/2"	9.2/9.3-13.7	2.52"	0.39"	2 1/2"	2.674"	2.992"
265-350 ME	3 1/2"	9.2/9.3-12.7/12.95	2.65"	0.39"	2 1/2"	2.922"	2.992"
325-450 ME	4 1/2"	12.6-21.6	3.27"	0.85"	3"	3.476"	3.958"
342-450 ME	4 1/2"	11.6-15.1	3.42"	0.85"	3"	3.826"	4.000"
375-500 ME	5"	18-26.7	3.75"	1.26"	4"	3.921"	4.276"
385-500 ME	5"	15-24.2	3.85"	1.26"	4"	4.000"	4.408"
420-550 ME	5 1/2"	17-28.4	4.21"	1.73"	4"	4.409"	4.892"
435-550 ME	5 1/2"	17-26	4.35"	1.73"	4"	4.548"	4.892"
535-663 ME	7"-6 5/8"	32-35	5.35"	2.87"	5"	5.675"	6.004"
550-700 ME	7"	29-45.4/48	5.51"	3.03"	6"	5.791"	6.184"
571-700 ME-R <sup>(2)</sup>	7"	23-38	5.72"	2.87"	6"	5.920"	6.366"
572-700 ME	7"	26-38	5.72"	3.03"	6"	5.920"	6.276"
630-763 ME	7 5/8"	29.7-45.3	6.30"	2.48"	6"	6.424"	7.028"
680-863 ME	8 5/8"	36	6.77"	2.58	6"	6.895"	7.825"
800-963 ME	9 5/8"	47-58.4	8.00"	4.12"	8 5/8"	8.435"	8.681"
815-963 ME	9 5/8"	36-43.5	8.15"	3.98"	8 5/8"	8.755"	8.921"
925-1075 ME	10 3/4"	45.5-60.7	9.25"	3.87"	8 5/8"	9.660"	9.950"
1150-1338 ME	13 3/8"	61-98	11.500"	5.709"	8 5/8"	11.937"	12.515"

(1) Smallest ID with guarantee plug will stay in place e.g. when exposed to perforation forces.

(2) Reinforced

## Technical Specifications (ME with prong)

Model	Csg Size	Csg Wt (lbs/ft)	OD	GS	Min Setting ID Nominal value	Max Setting ID Nominal value
420-550 ME w/Prong	5 1/2"	17-28.4	4.21"	4"	4.409"	4.892"
550-700 ME w/Prong	7"	29-45.8/48	5.51"	6"	5.791"	6.184"