

Product Sheet: Medium Expansion Bridge Plug (ME & ME with Prong)

Product 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 (5,000 psi)* at temperatures up to 150°C (302°F)*. It is qualified in accordance with the ISO 14310:2008 international standard up to validation grade Vo.

** Applies to certain sizes of ME plugs. Contact Interwell for details*

The 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. The ME with Prong takes only one run to set, and retrieving is completed in two runs. 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.

Product 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.



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Product Application

Medium Expansion Bridge Plug

The ME can be used as a temporary or permanent barrier. It was designed to withstand bi-directional pressure which allows the plug to be set in cross flow. The ME 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.

ME with Prong

The ME with Prong enables easy equalizing and pulling of ME Bridge Plugs in high debris environments.

Technical Specifications

Medium Expansion Bridge Plug

Csg Size	Csg Wt (lbs/ft)	Model	OD	ID	GS	Min Setting ID* Nominal value	Max Setting ID Nominal value
2 $\frac{3}{8}$ "	4.6/4.7	175-238 ME	1.75"	N/A	1.5"	1.867"	1.995"
2 $\frac{7}{8}$ "	6.4/6.5-7.8/7.9	217-288 ME	2.17"	N/A	2"	2.323"	2.441"
3 $\frac{1}{2}$ "	9.2/9.3-13.7	252-350 ME	2.52"	0.39"	2.5"	2.674"	2.992"
3 $\frac{1}{2}$ "	9.2/9.3-12.7/12.95	265-350 ME	2.65"	0.39"	2.5"	2.922"	2.992"
4 $\frac{1}{2}$ "	12.6-21.6	325-450 ME	3.27"	0.85"	3"	3.476"	3.958"
4 $\frac{1}{2}$ "	11.6-15.1	342-450 ME	3.42"	0.85"	3"	3.826"	4.000"
5"	18-26.7	375-500 ME	3.75"	1.26"	4"	3.921"	4.276"
5"	15-24.2	385-500 ME	3.85"	1.26"	4"	4.000"	4.408"
5 $\frac{1}{2}$ "	17-28.4	420-550 ME	4.21"	1.73"	4"	4.409"	4.892"
5 $\frac{1}{2}$ "	17-26	435-550 ME	4.35"	1.73"	4"	4.548"	4.892"
7"-6 $\frac{5}{8}$ "	32-35	535-663 ME	5.35"	2.87"	5"	5.675"	6.004"
7"	29-45.4/48	550-700 ME	5.51"	3.03"	6"	5.791"	6.184"
7"	23-38	571-700 ME-R**	5.72"	2.87"	6"	5.920"	6.366"
7"	26-38	572-700 ME	5.72"	3.03"	6"	5.920"	6.276"
7 $\frac{5}{8}$ "	29.7-45.3	630-763 ME	6.30"	2.48"	6"	6.424"	7.028"
9 $\frac{5}{8}$ "	47-58.4	800-963 ME	8.00"	4.12"	8 $\frac{5}{8}$ "	8.435"	8.681"
9 $\frac{5}{8}$ "	36-43.5	815-963 ME	8.15"	3.98"	8 $\frac{5}{8}$ "	8.755"	8.921"
10 $\frac{3}{4}$ "	45.5-60.7	925-1075 ME	9.25"	3.87"	8 $\frac{5}{8}$ "	9.660"	9.950"
13 $\frac{3}{8}$ "	61-98	1150-1338 ME	11.500"	5.709"	8 $\frac{5}{8}$ "	11.937"	12.515"

* Smallest ID with guarantee plug will stay in place when exposed to f.ex. perforation forces.

** Reinforced

ME with Prong

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

Product Features

Medium Expansion Bridge Plug

- Ideal for workover applications: well control barrier, packer for injection valve, fixed choke etc.
- Slim design (small OD/large ID)
- Equalise and retrieve with standard GS in a single operation (no prong required)
- Can be run on slickline, e-line, coiled tubing and pipe
- Other sizes available on request

ME with Prong

- Sets in one run, retrieves in two runs
- Easy to retrieve when in overbalance
- Pressure balanced equalizing
- Junk Basket for collection of debris
- Retrieval of prong and plug with same standard GS
- Other sizes available on request

