

Well Construction

Downhole Service Tools

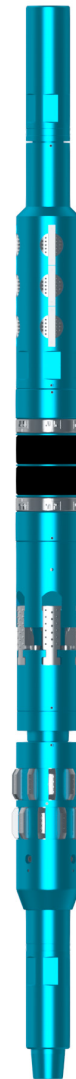
BRUTE® Retrievable Packer

The BRUTE® Retrievable Packer is the heart of the BRUTE® Packer System, engineered for seamless integration with any BRUTE® line accessories to achieve a wide range of packer operation objectives.

Featuring a robust tool chassis and the advanced BRUTE® Armor element backup system, it is ideally suited for high-pressure operations and heavy tensile well suspensions. Its versatile design further enhances its ability to efficiently perform testing, treatment procedures, and squeeze cementing applications.

Features and benefits

- API 11D1 & ISO 14310 V3/V0 validated for reliable quality and performance control
- Modular system design increases range of application and operational efficiencies
- Simple and robust design allows for faster sets and multiple retrievals to significantly increase operational efficiencies and rig time savings
- Secondary rubber mandrel and increased slip area allow for combined pressure and tensile ratings and additional tailpipe to be hung below packer to increase total rig time savings
- Patent pending BRUTE® Armor back up system enables packing elements to achieve industry leading differential ratings and radial expansion





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BRUTE® Specifications

Casing size (in.)	Weight (lbs-ft)	Casing I.D. range (in.)	O.D. (in.)	Nominal I.D. (in.)	Thread connection	Max. pressure (psi)	Max. hang-off weight (lbs)
9 $\frac{5}{8}$	Multi-weight	8.363 - 8.891	8.25	3.000	NC-50	11,400	700,000
10 $\frac{3}{4}$	65.7 - 85.3	8.979 - 9.724	8.850	3.000	NC-50	10,000	700,000
11 $\frac{3}{4}$	65.0 - 71.0	10.440 - 10.850	10.250	3.000	NC-50	8,000	700,000
11 $\frac{1}{4}$	47.0 - 60.0	10.641 - 11.152	10.500	3.000	NC-50	8,000	700,000
13 $\frac{3}{8}$ - 14	54.5 - 77.0	12.275 - 12.783	12.000	3.000	6 $\frac{5}{8}$ FH	10,000	1,000,000
16	96.0 - 109.0	14.600 - 15.065	14.438	4.500	6 $\frac{5}{8}$ FH	8,000	1,000,000
18	94.0 - 128.0	16.624 - 17.023	16.350	4.500	6 $\frac{5}{8}$ FH	4,000	1,000,000

BRUTE® Armor Specifications

Casing size (in.)	Weight (lbs-ft)	Casing I.D. range (in.)	O.D. (in.)	Nominal I.D. (in.)	Thread connection	Max. pressure (psi)	Max. hang-off weight (lbs)
12 $\frac{1}{4}$	134.25	9.894 - 10.236	9.700	3.000	NC-50	12,850	300,000
20 - 22	Multi-weight	18.131 - 20.245	18.000	4.500	6 $\frac{5}{8}$ FH	4,000	100,000