



THE MAGNUM ACE™

INNOVATION REVEALED

Every operator needs to have an “ACE” in the hole. The Magnum ACE™ (All Composite Edition) is a fully composite frac plug designed for multi-stage frac operations where efficiency is key. The plug’s all composite design eliminates milling through metals post-frac and drastically improves mill times. The Magnum ACE™ uses the same proven sealing system as other plugs in Magnum’s product line and is quickly and easily milled and circulated back to surface using conventional milling, drilling with a rig and tubing, or with coiled tubing. The Magnum ACE™ can be deployed in both vertical and horizontal operations.

OPTIONAL BALL-IN-PLACE FUNCTIONALITY

Thanks to Magnum’s revolutionary “Liberty Bell” setting sleeve adapter, the Magnum ACE™ has the capability of being run downhole with the ball already in place. This saves operators time associated with dropping balls from surface. The Magnum ACE™ can also be run as a traditional ball drop plug.

Features

- Fully composite design
- Answers the industry need for composite slips
- Anti-preset design
- No tungsten carbide buttons or aluminum
- Composite material aids in fast drill-outs and time saved
- Can be deployed on wireline, coiled tubing, tubing or drill pipe
- Efficient wireline deployment speeds of up to 450 feet per minute
- Designed for horizontal or vertical wells
- Setting is done via a universal setting sleeve and adapter
- Positive lock-up feature to ensure lock-up of multiple plugs in a single wellbore
- Patented technology

CASING SPECS				PLUG SPECS						OPERATING RANGES	
Casing O.D. inch (mm)	Weight Range lb/ft (kg/m)	Min I.D. inch (mm)	Max I.D. inch (mm)	O.D. inch (mm)	Ball Drop Min I.D. inch (mm)	Flo-Back Min I.D. inch (mm)	Length inch (mm)	Ball Size inch (mm)	Setting Tool	Low Temp	High Temp
4-1/2 (114.3)	15.1-17.1 (22.47-25.45)	3.75 (95.3)	3.83 (97.3)	3.44 (87.4)	0.75 (19.1)	0.50 (12.7)	22.4 (569.0)	1.75 (44.5)	Magnum "A-1", Baker #10 or Owen	250°F (121°C) 10K psi (68.9 Mpa)	n/a
	9.50-13.50 (14.14-0.09)	3.92 (99.6)	4.09 (103.9)	3.57 (90.7)							
5.0 (127.0)	23.20-24.10 (34.5-35.8)	4.00 (101.6)	4.04 (102.7)	3.92 (99.6)	1.13 (28.6)	0.50 (12.7)	21.6 (548.64)	2.13 (54.0)	Magnum "A-1", Baker #20 or Owen	250°F (121°C) 10K psi (68.9 Mpa)	300°F (149°C) 10K psi (68.9 Mpa)
	11.50-18.00 (17.1-26.8)	4.28 (108.6)	4.56 (115.8)	4.13 (104.8)			10K 250F 21.4 (543.6) 10K 300F 21.8 (553.7)				
5-1/2 (139.7)	23.00-26.8 (34.2-39.9)	4.50 (114.3)	4.67 (118.6)	4.13 (104.8)	1.13 (28.6)	0.50 (12.7)	21.6 (548.64)	2.13 (54.0)	Magnum "A-1", Baker #20 or Owen	250°F (121°C) 10K psi (68.9 Mpa)	300°F (149°C) 10K psi (68.9 Mpa)
	15.50-23.00 (23.1-34.2)	4.67 (118.6)	4.95 (125.7)	4.30 (109.2)			10K 250F 21.4 (543.6) 10K 300F 21.8 (553.7)				

Casing Specs are according to API Tubing/Casing Dimension Chart Information.

For more information, and to find a representative near you, visit nineenergyservice.com