

## MAGNUM SERIES HPHT™

### INNOVATION REVEALED

The “Extreme Magnum Series” is a multi-configuration plug used to temporarily isolate multistage vertical or horizontal completion operations. The base model of the Extreme Magnum Series is a ball drop configuration. When combined with three additional on-the-fly inserts (Bridge Plug, Flo-Back, or Flo-Back with Bio-Ball), this tool provides the service company with optimum on-site versatility. Comprised of proprietary composite material and having a low metallic content, the Extreme Magnum Series can be quickly and easily milled and circulated back to surface.

### Features

- Consistent drill times of 30 minutes or less
- Can be converted to a Magnum Series™ Ball Drop plug, Bridge Plug, Flo-Back and Flo-Back with Bio-Ball plug
- Set on wireline, coiled tubing or production tubing using conventional setting tools
- Milled-out using coiled tubing or power swivel
- Millable cast iron slips
- Positive lock-up feature to ensure plugs do not spin while milling
- Utilizes conventional setting tools
- Patented precision shearing device
- Unique pump-down element design requires less fluid and pump pressure to deploy plug horizontally
- Efficient wireline deployment speeds of up to 450 feet per minute
- Custom O.D. plugs are available upon request
- Patent pending technology



Pump-Down Ring Available  
for Horizontal Applications

CASING SPECS				PLUG SPECS						O/R
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. inch (mm)	Length inch (mm)	Ball Size inch (mm)	Setting Tool	High Temp/ High PSI
4-1/2 (114.3)	18.9 (28.2)	3.64 (92.5)	3.64 (92.5)	3.25 (82.6)	1.25 (31.8)	0.50 (12.7)	26.50 (673.1)	1.75 (44.5)	Magnum "A-1", Baker #10 or Owen	375°F (191°C) 15K psi (103.4 Mpa) Composite/FK M Elastomer
	15.1-16.9 (22.5 - 25.1)	3.74 (95.0)	3.89 (98.9)	3.44 (87.4)						
	9.50-13.50 (14.1-20.1)	3.92 (99.6)	4.09 (103.9)	3.57 (90.7)						
5.0 (127.0)	23.20-24.10 (34.5-36.0)	4.00 (101.6)	4.04 (102.7)	3.57 (90.7)						
	20.30-21.40 (30.2-31.8)	4.13 (104.8)	4.18 (106.3)	3.75 (95.3)						
	11.50-18.00 (17.1-26.8)	4.28 (108.6)	4.56 (115.8)	3.92 (99.6)						
5-1/2 (139.7)	26.00-28.40 (38.7-42.3)	4.44 (112.8)	4.55 (115.5)	4.13 (104.8)		0.63 (16.0)	27.50 (698.5)	2.13 (54.0)	Magnum "A-1", Baker #20 or Owen	
	23.00 (34.2)	4.67 (118.6)	4.67 (118.6)	4.25 (107.9)						

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

Optional pump down kit sizes

PUMP DOWN RING O.D.	DUROMETER	MATERIAL
in (mm)	70	Nitrile
3.00 (76.2)		
3.25 (82.6)		
3.75 (95.3)		
4.00 (101.6)		
4.25 (108.0)		
4.40 (111.8)		
4.50 (114.3)		
4.90 (124.5)		

Bridge plug conversion kit available



For more information, and to find a representative near you, visit [nineenergyservice.com](http://nineenergyservice.com)