

STINGER™ EXTENDED RANGE WITH DISSOLVABLE PUMPDOWN RING

This product may be covered by one or more patents or pending patent applications.

Designed with casing restrictions in mind

Made with the same, highly-engineered material as the Magnum Vanishing Plug™ from Nine Energy Service, the Stinger ER Dissolvable Frac Plug offers the same predictable dissolution for wellbores with casing restrictions or casing patches.

Achieve greater operational efficiency and significantly reduce mill out risk, while achieving zonal isolation.

Features

- Used for wells that have a casing restriction or casing patch
 - Dissolvable
 - Same great material that has been used in over 40,000 MVPs
 - 10,000 psi rated
 - Eliminates risk associated with drilling out with an undersized bit
 - PM buttons
 - *PDR available upon request.*
- Water savings and deviated wells help.*



Behind the Tech

Made of the same, highly engineered material as the Magnum Vanishing Plug™, The Stinger ER Dissolvable Frac Plug dissolves predictably in wellbores with casing restrictions or patches, vastly improving operational efficiency.



The Stinger™ is among the industry's shortest and most advanced dissolvable technology available.

CASING SPECS			PLUG SPECS							
Casing Size O.D. inch (mm)	Casing Weight Range lb/ ft (kg/m)	Casing I.D. inch (mm)	Tool Description	Max Conveyance O.D. inch (mm)	Max PDR O.D. inch (mm)	Compressed PDR O.D. inch (mm)	I.D. inch (mm)	RIH Length inch (mm)	Ball Size inch (mm)	Pressure Rating psi (Mpa)
*4.5H (114.3)	15.1 (22.5)	3.83 (97.2)	Ball In Place / Ball Drop	3.12 (79.2)	3.37 (85.6)	3.12 (79.2)	0.78 (19.8)	10.00 (254.0)	1.13 (28.7)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
4.5 (114.3)	11.6-13.5 (17.3-20.1)	4.00-3.92 (101.6-99.6)	Ball In Place / Ball Drop	3.12 (79.2)	3.37 (85.6)	3.12 (79.2)	0.78 (19.8)	10.00 (254.0)	1.13 (28.7)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
	9.5-11.6 (14.1-17.3)	4.09-4.00 (103.9-101.6)	Ball In Place / Ball Drop	3.25 (82.6)	3.50 (88.9)	3.25 (82.6)	0.78 (19.8)	9.83 (249.7)	1.25 (31.8)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
5.0 (127.0)	23.2-24.1 (34.5-35.9)	4.04-4.00 (102.6-101.6)	Ball In Place / Ball Drop	3.12 (79.2)	3.37 (85.6)	3.12 (79.2)	0.78 (19.8)	10.00 (254.0)	1.13 (28.7)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
	21.4-24.1 (31.8-35.9)	4.13-4.00 (104.8-101.6)	Ball In Place / Ball Drop	3.25 (82.6)	3.50 (88.9)	3.25 (82.6)	0.78 (19.8)	9.83 (249.7)	1.25 (31.8)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
	18.0 (26.8)	4.28 (108.7)	Ball Drop	3.25 (82.6)	3.50 (88.9)	3.25 (82.6)	1.25 (31.8)	9.70 (246.4)	1.75 (44.5)	10,000 (69)
			Ball Drop				1.25 (31.8)		1.75 (44.5)	
5.5 (139.7)	26.0 (38.7)	4.55 (115.5)	Ball Drop	3.54 (89.9)	3.79 (96.3)	3.54 (89.9)	1.50 (38.1)	10.88 (276.4)	1.75 (44.5)	10,000 (69)
	20.0-23.0 (29.8-34.2)	4.78-4.67 (121.4-118.6)	Ball In Place / Ball Drop	3.78 (96.0)	4.03 (102.4)	3.78 (96.0)	1.00 (25.4)	10.40 (264.2)	1.38 (34.9)	10,000 (69)
			Ball Drop				1.50 (38.1)		1.75 (44.5)	
	17.0-19.0 (25.3-28.3)	4.89 - 4.83 (124.3-122.7)	Ball In Place / Ball Drop	3.92 (99.6)	4.13 (104.9)	3.92 (99.6)	1.00 (25.4)	10.60 (269.2)	1.38 (34.9)	10,000 (69)
			Ball Drop				1.50 (38.1)		1.75 (44.5)	
	24.0 (35.7)	5.20 (132.1)	Ball In Place / Ball Drop	3.92 (99.6)	4.13 (104.9)	3.92 (99.6)	1.00 (25.4)	10.70 (271.8)	1.38 (34.9)	10,000 (69)
			Ball Drop				1.50 (38.1)		1.75 (44.5)	
6.0 (152.4)	24.0 (35.7)	5.20 (132.1)	Ball In Place / Ball Drop	3.92 (99.6)	4.13 (104.9)	3.92 (99.6)	1.00 (25.4)	10.70 (271.8)	1.38 (34.9)	10,000 (69)
			Ball Drop				1.50 (38.1)		1.75 (44.5)	
	26.0 (38.7)	5.13 (130.4)	Ball In Place / Ball Drop	3.92 (99.6)	4.13 (104.9)	3.92 (99.6)	1.00 (25.4)	10.70 (271.8)	1.38 (34.9)	9,000 (62)
			Ball Drop				1.50 (38.1)		1.75 (44.5)	

* This is Nine's heavy casing weight option for 4.5" casing.

CASING SPECS			PLUG SPECS							
Casing Size O.D. inch (mm)	Casing Weight Range lb/ ft (kg/m)	Casing I.D. inch (mm)	Tool Description	Max Conveyance O.D. inch (mm)	Max PDR O.D. inch (mm)	Compressed PDR O.D. inch (mm)	I.D. inch (mm)	RIH Length inch (mm)	Ball Size inch (mm)	Pressure Rating psi (Mpa)
7.0 (177.8)	35.0 (52.1)	6.00 (152.4)	Ball In Place / Ball Drop	4.85 (123.2)	5.06 (128.5)	4.85 (123.2)	1.50 (38.1)	10.60 (269.2)	1.625 (41.3)	9,000 (62)
			Ball Drop				1.50 (38.1)		2.38 (60.5)	

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