



DS Gravity™

Let gravity do the work for you

DS Gravity™ represents a breakthrough in self-oriented perforating technology for unconventional oil and gas wells. The system incorporates an internal mechanism that allows shaped charges to rotate smoothly around a center axis. Gravitational force orients the charges in the desired direction once the system has reached the predetermined position in the well.

DS Gravity is extremely easy to use, and does not require specially trained personnel to perform set-up, calibration, alignment or downhole manipulation. Orientations within plus or minus 5 degrees are achieved every time, regardless of external factors such as well debris, wireline torque or wellbore friction.

Single or dual charge orientation

The patent-pending system can be configured with a single charge oriented at either zero degrees (straight up) or 180 degrees (straight down); or with two charges set at zero and 180 degrees. Its “unibody” design eliminates the need for external subs, and at less than 7 inches in length, it is one of the shortest perforating systems in the industry.

DS Gravity is customizable with DynaEnergetics’ uniform entry-hole performance charges, which deliver hole diameters ranging from 0.25 inches to 0.35 inches. The system arrives at the wellsite fully assembled and ready for deployment. Like all DS systems, it is controlled by DynaEnergetics’ wireless IS2™ TF Intrinsically Safe™ initiating system, which is installed at the wellsite in seconds.



Effortless and reliable charge orientation with high accuracy

Design Simplicity

DS Gravity represents a step-change improvement in traditional oriented perforating, which typically involves the time-consuming process of aligning and locking special subs into place at surface, and then using motorized devices for active orientation; or eccentric weight bars, orienting subs, swivels and manual manipulation from surface by specially trained personnel. By eliminating these processes, DS Gravity makes highly accurate, oriented perforating effortless, reliable and safe.

Proven reliability and safety with Intrinsically Safe™ technology

Like all members of DynaEnergetics' Factory-Assembled, Performance-Assured DynaStage (DS) product family, DS Gravity arrives at the wellsite fully assembled and ready to arm with the wireless IS2™ TF intrinsically safe™ initiating system. The DS Gravity, and its entire detonation system can be tested at surface, leading to unmatched reliability and peace of mind. And it takes less than a minute to assemble, arm and test each system. DS Gravity continues to raise the bar

GUN OD (IN)	PHASING	# SHOTS	CASING ENTRY HOLD DIAMETER (IN)	AREA OPEN TO FLOW (IN ²)	SHOT DIRECTION	OVERALL LENGTH (IN)
3-1/2"	0°	1	0.25	0.049	up	6.9
3-1/2"	0°	1	0.30	0.071	up	6.9
3-1/2"	0°	1	0.35	0.096	up	6.9
3-1/2"	180°	1	0.25	0.049	down	6.9
3-1/2"	180°	1	0.30	0.071	down	6.9
3-1/2"	180°	1	0.35	0.096	down	6.9
3-1/2"	0°/180°	2	0.25	0.098	up & down	6.9
3-1/2"	0°/180°	2	0.30	0.142	up & down	6.9
3-1/2"	0°/180°	2	0.35	0.196	up & down	6.9

CONTACT US

¹Patent Pending