

WS type Pulsed DC End Area Coils (Drillco style)



WS-type Coils

WS-Coil have output characteristics similar to Drillco/ Smith International® Drill Pipe Coils. The WS-type Coils use a (CD) Capacitive Discharge Power Supply. The unique WS power supply has the necessary high energy pulse to create an output of greater than 1,200 Amp Turns per inch of ID and greater than 400 Gauss in the Center of the Coil. This output is common to all WS models, while all are under 20 pounds (9kg).

Note: WS type Coils are not offered with AC or Demag. Features.

In the Oil Well Drilling Business WS type Coils are commonly called Drill Pipe Coils. Drill Pipe rarely require Demagnetization. Demagnetization is more commonly required for the tools on the Bottom End of the Drilling String. This is where WD-type Coils are recommended. WS-type Coils pulse about once per second and induce a very high Residual Magnetic Field, into the work piece

Model	I.D.	Amp Turns	Gauss	Weight
WS-8	8" (203mm)	21,000	1,125	14 lbs. (3.7kg)
WS-10	10" (254mm)	18,000	800	15.5 lbs. (7kg)
WS-12	12" (305mm)	17,000	620	17 lbs. (7.7kg)
WS-14	14" (356mm)	16,000	470	19 lbs. (8.5kg)

Diameter Range: 2 3/8" to 13 3/8" End Areas

Meets Output requirements of DS1 and NS-2

Centerline field >400 Gauss

CD pulse rate 1 Pulse per second

Power: 110VAC/60 Hz@ 15 amps, 230 VAC/50 Hz@15 amps

Depth 3 5/8" (92mm)