

DS Auxiliary Brakes

General Features

- Air or water cooling system adopted
- Advanced electromagnetic induction brake, no wearing parts.
- Suitable for cold area and desert environment
- Suitable for onshore or offshore rigs
- High torque force, no wearing parts, long life, easy to maintenance



Details

The DS series auxiliary brake were developed to provide the market with more reliable technology and more hoisting performance. Adopted advance electromagnetic eddy current brake system. The whole system has no wearing parts, which could extend the life of brake system. At the same time, it will be easy to adjust the brake torque by change the exciting current, to control the drilling pipe speed. When the speed rate of brake lower to 5 r/min, it will reach 75% of the maximum brake torque, which is suitable for heavy load drilling pipe running. Included but not limited by the advantages mentioned, DS series of auxiliary brakes might be your best choice.

Parameters:

Model	DS20A	DS25	DS35	DS40D	DS45	DS50D	DS60	DS70D
Rated Brake Torque (N.m)	12500	30000	45000	47000	62000	80000	110000	115000
Drilling Depth (m)	2000	2500	3500	4000	4500	5000	6000	7000
Number of Coil	2	4	4	4	4	4	4	4
Isulation Grade	H	H	H	H	H	H	H	H
Max. Power of Excitation (kW)	6.5	7	9	11	13	16	23	24
Cooling Air Flowrate (m3/h)	4800-6200	4800-6200	4800-6200	6200-7000	8000-10000	8500-10800	9600-12400	10800-14000
Weight (Kg)	2650	3200	5960	6250	7536	7856	12000	12500
Central Height (mm)	496	750	750	750	737	833	910	910
Driven By	Chain	Gear	Gear	Gear	Gear	Gear	Gear	Gear
Connection to Drawworks	Reducer	Clutch	Clutch	Clutch	Clutch	Clutch	Clutch	Clutch