



PURPOSE

The Dual Circulating Sub provides a means of emergency circulation through a Ball operated circulating feature. The Ball operated Valve shifts open when a Ball is dropped to the Tool and pressure is applied to exceed the predetermined shear value of the Valve. Once shifted, circulation is diverted to the annular area. However the Dual Circulation Sub also offers an Overpressure Differential Activated Piston. The Piston activation pressure can be predetermined at surface through Shear Pins.

The Connections on the Subs are manufactured to suit BHA requirements.

Assembly Number	1801CS168A0	1801CS212A0	1801CS287A0
OD	1-11/16"	2-1/8"	2-7/8"
Make Up Length	5-1/2"	5-1/2"	6-3/4"
Pressure Rating	5000 PSI	5000 PSI	5000 PSI
Standard Connection	1" AMMT	1" - 1/2 AMMT	2 3/8" PAC
Service	STD	STD	STD

Assembly Number	1801CS168A0	1801CS212A0	1801CS287A0
Components:			
Body	1801CS16801	1801CS21201	1801CS28701
Circulation Piston	1801CS16802	1801CS21202	1801CS28702
Set Screws (6)	10/32" UNC x .25"	10/32" UNC x .25"	10/24" UNC x .50"
O-Ring (2)	015	116	116
O-Ring (2)	019	120	123
O-Ring (2)	122	128	227

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061