



DRAWWORKS BRAKE SELECTION WORKSHEET

FOLLOWING IS THE INFORMATION REQUIRED TO PROPERLY SIZE A BRAKE FOR A DRAWWORKS APPLICATION:

DRAWWORK DRIVE & OPERATION DATA:

- EMPTY HOOK LOAD (TRAVELING BLOCK WEIGHT) _____
- MAX. DEPTH _____
- NUMBER OF LINES (PULLEYS) _____
- WIRE ROPE DIAMETER _____
- WIRE ROPE NOMINAL STRENGTH _____
- BARE DRUM DIAMETER _____
- MOTOR HP _____
- MOTOR SPEED _____
- NUMBER OF MOTORS _____
- REDUCTION BETWEEN CABLE DRUM AND MOTOR(S) _____
- GEARBOX EFFICIENCY _____
- GEARBOX INERTIA @ CABLE DRUM _____
- CABLE DRUM INERTIA @ CABLE DRUM _____
- NUMBER OF BRAKES PER CABLE DRUM _____

DRILL PIPE INFORMATION:

- BOTTOM HOLE ASSEMBLY WEIGHT _____
- MAX. # OF BHA SECTIONS _____
- MAX. DRILL PIPE DIA. _____
- MAX. DRILL PIPE WEIGHT _____
- LENGTH OF PIPE STAND _____
- MAX. # OF SECTIONS _____
- MAX. DRILL PIPE WEIGHT _____
- MAX. LINE SPEED _____

RISER/BOP (OFFSHORE) & CASING INFORMATION:

- BOP STACK WEIGHT _____
- RISER WEIGHT _____
- BOP STACK LENGTH _____
- MAX. CASING LOAD _____
- CASING PIPE LENGTH _____

Complete and return to Airflex application engineering (216)281-3890.