

## Field Running Procedure of SUPERMAX and SUPERMAX2

Point of revision 4 : SUPERMAX2 added

**CONFIDENTIAL**

### RUNNING

#### 1. Precaution

- 1) Pipe shall not be stacked higher than five tiers at the rig.
- 2) Wooden dunnage shall be placed between successive layers
- 3) Thread protector should always remain in place when moving or handling
- 4) Avoid rough handling. Do not unload pipe by dropping.

#### 2. Preparation

Ensure all necessary running equipment and accessories are available and in good condition.

- 1) Elevator shall be proper size and **non-upset collar type** or slip type.
- 2) Slips are of correct size to accommodate size and length of tubing
- 3) Check for traveling block alignment
- 4) Ensure all necessary running equipment and accessories area available and in good condition.
- 5) Ensure the thread compound is available
- 6) Power tongs with lead line at 90 degrees and level with tong.  
Ensure that accurate torque monitoring device is available.
- 7) Make sure that the meter indicates torque ( ft-lbs ) or load ( lbs ).
- 8) Box protector may be removed on the rack before picking up to floor.

#### 3. Running

- 1) It is recommended to use stabbing guide applied to coupling of the pipe set in the slip.
- 2) Pick up a joint from the rack ( or truck ) on to the derrick with pin protector on.  
Make sure the elevator is securely clamped.
- 3) Apply thread compound on the coupling with a brush.
- 4) Remove the pin protector.
- 5) Lower joint, pin into box. Ensure alignment before stabbing .

## 4. Make-up

1) Carefully watch pipe swinging, and rotate pipe while pipe is aligned with lower joint.

2) Make up torque ( ft-lbs )

Size ( mm x kg/m )	J55			N80, L80		
	Min.	Opti.	Max.	Min.	Opti.	Max.
2-3/8" x 4.6# ( 60.3 x 5.96 )	850	1,050	1,250	950	1,200	1,400
2-7/8" x 6.4# ( 73.0 x 9.53 )	1,300	1,600	2,000	1,400	1,700	2,100
3-1/2" x 9.2# ( 88.9 x 13.7 )	1,800	2,300	2,700	2,000	2,500	3,000
4-1/2" x 10.5# ( 114.3 x 45.64 )	2,300	2,700	3,200	2,500	3,000	3,400
4-1/2" x 11.6 # ( 114.3 x 17.28 )	2,400	2,900	3,400	2,600	3,100	3,600
4-1/2" x 12.6 # ( 114.3 x 18.77 )	2,500	3,000	3,500	2,700	3,200	3,700
5-1/2" x 15.5# ( 139.7 x 23.09 )	4,500	5,000	5,500	4,700	5,200	5,700

- For SC ( special clearance ) coupling, reduce above torque by 5 %.

- In the case torque meter available;

Set Min. Torque with high gear.

Set Opti. Torque with low gear

- In the case of pressure gauge is used instead of torque meter

Hydraulic pressure equivalent to recommended torque shall be converted from torque - pressure chart.

3) For first 10 joints, check make up position

Coupling end shall pass " the base of triangle - 1 turn ".

If not passed, increase torque to reach up to the base of triangle - 1 turn.

\* Torque may be deviated from the recommendation on very hot or very cold days due to friction factor change of grease.

## **PULLING**

### **1. Preparation**

- 1) Same precaution shall be paid as running
- 2) Wooden platform for standing back ( Refer to API 5C1 )
- 3) Clean thread protector should be available prior to laying down or standing back.

### **2. Breaking out**

- 1) Back up tong shall be applied on the lower side of coupling.
- 2) After breaking loose, great care should be paid not to overspin to prevent galling.
- 3) Great care should be exercised to disengage all of the thread before lifting a pipe out of coupling.

### **3. Setting back**

- 1) Pipe should be set on a firm wooden platform when set back in the derrick.
- 2) Protect thread from dirt or injury when the pipes are out of hole.  
Thread protectors should be installed on pin.