

JOB SAFETY ANALYSIS	Job or Operation Title:	Date:	<input type="checkbox"/> Revised JSA <input type="checkbox"/> New JSA
	<u>Tubular rolling operations</u>	JSA number: 1	Page 1 of 4
Department: Drilling & Completions	Title of Person(s) Who Does Job:	Analysis Performed By:	
Required and/or Recommended Personal Protective Equipment: Minimum PPE required: Hard Hat, Steel Toe Boots, Safety Glasses, FRC's, <u>Impact Gloves</u>	Field/Location:	Reviewed By:	Approved By:
		_____	_____
		Name _____ Date _____	Name _____ Date _____
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Sequence of Basic Job Steps	Existing and Potential Hazards	Recommended Corrective Action or Procedure
Select appropriate size tubular roller for the tubular joint to be rolled.	Wrong tubular roller used resulting in: damage to tubular roller; personal injury due to jerky motion while pushing tool	Inform users of different tubular roller sizes and when to use each. NEVER USE WRONG SIZE TUBULAR ROLLER TO ROLL TUBULARS.
Carry and insert the tubular roller into the end of the tubular joint to be rolled.	Tubular roller not inserted far enough causing damage to tubular roller Tubular roller inserted too far and batwing rubs tubular lip causing damage to tubular roller Awkward position causing muscle/joint strain/sprain injury Struck by objects falling from rig	Ensure that both rollers are fully inside the tubular. Ensure batwing is slightly clear of the tubular lip. Use both hands to carry and insert tubular roller. ALWAYS ROLL TUBULARS FROM THE PIN END TO PREVENT BEING STRUCK BY OBJECTS FALLING FROM THE RIG.

Sequence of Basic Job Steps	Existing and Potential Hazards	Recommended Corrective Action or Procedure
<p>Push the handle forward causing the tubular to roll forward and away from your body to desired destination.</p>	<p>Pinch point or struck by tubular roller causing hand, finger, foot, leg injury</p> <p>Slippery, obstructed walkways causing injury from fall</p> <p>Awkward position causing muscle/joint strain/sprain injury</p>	<p>Properly place hands on stamped areas of the tubular shaft before and while pushing.</p> <p>Ensure all chocks and debris removed from tubulars to be rolled.</p> <p>Ensure walking surface next to pipe rack is free of obstructions and trip/slip hazards.</p> <p>Be aware of body position and location at all times.</p> <p>Bring tubular joint to complete stop before starting to roll another joint.</p> <p>NEVER STAND BETWEEN TWO JOINTS OF TUBULARS OR BETWEEN TUBULARS AND CATWALK.</p> <p>NEVER USE THE TUBULAR ROLLER TO <u>PULL</u> TUBULARS TOWARD YOU.</p>
<p>Move shorter tubular joints by reaching to insert and push tubular forward.</p>	<p>Awkward position causing muscle/joint strain/sprain injury</p>	<p>Reach to fully insert the tubular roller into the tubular.</p> <p>Reach and use one hand to push the end of the tubular roller while using other hand to get leverage on a longer tubular joint.</p> <p>Ensure good footing and body position before pushing tubular roller.</p> <p>NEVER CLIMB UP ON TUBULARS OR PIPE RACK.</p>

Sequence of Basic Job Steps	Existing and Potential Hazards	Recommended Corrective Action or Procedure
<p>If tubulars are layered 2 to 3 layers high and must be dropped to the catwalk, safely push the tubular to the edge and let it drop.</p>	<p>Pinch points causing hand/finger injuries Struck by/caught in between tubular/rack/catwalk causing bodily injury</p>	<p>Before attempting to roll tubular, ensure all chocks and debris are removed from tubular to be rolled and entire travel path.</p> <p>Ensure proper hand placement on tubular roller shaft before moving tubular.</p> <p>Move the tubular slowly to the drop point and let go of the tubular roller, letting the pipe and tubular roller drop to the lower level.</p> <p>Quickly step clear until the pipe comes to a stop on the catwalk.</p> <p>NEVER HOLD ONTO TUBULAR ROLLER WHEN DROPPING TUBULARS TO LOWER LEVELS.</p> <p>ALWAYS CLEAR THE AREA WHEN DROPPING TUBULARS TO LOWER LEVELS.</p>
<p>Remove tubular roller from tubular and repeat steps above.</p>	<p>Pinch point or struck by tubular roller causing hand, finger, foot, leg injury Awkward position causing muscle/joint strain/sprain injury</p>	<p>Use both hands, one on the batwing and one on the shaft to safely remove the tubular roller.</p> <p>NEVER REMOVE TUBULAR ROLLER WHILE TUBULARS ARE MOVING.</p> <p>NEVER USE TUBULAR ROLLER FOR <u>ANY</u> TASK OTHER THAN MOVING TUBULARS.</p>