

# Introduction to Running Pipe in Oil and Gas Wells

Thread Compound  
Handout 08



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## Thread Compound

### Handout 08

Once that misalignment has been checked and if it's properly aligned, the pipe is ready to be stabbed, but prior to stabbing the pin into the box connection, both need to be completely cleaned of all debris and contaminants.

Thread compound, commonly referred as threat dope, is the lubricant which prevents the threads from damaging themselves during the assembly. It's not an oil, it's a paste grease type substance.

After misalignment, incorrectly doping is the biggest single cause of problems and damage to connections. The correct thread compound needs to be used for the correct connection. Dope must either be API chemical compliant or must be the correct dope as tested and recommended by the manufacturer for that particular connection. Once the manufacturer have recommended a particular thread compound, it's best to use that one.

Correct application of the dope is important, it needs to be applied to a clean connection, evenly and smoothly round the whole machined part of it. Therefore, the whole 360 degrees needs thread compound applied on it. Also is very important to control over doping, too much dope is almost as bad as no dope.

Nowadays there're connections that don't need to be applied with dope, in these called *dope-free connections* the lubricant is applied to at the mill and it's dry. This eradicates the problems related with doping.



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