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$$F_S = 1.257 T_Y D^2 \left[\frac{1}{DR} - \frac{1}{DR^2} \right]$$

(Short Term Safe Pull Strength,
Reference ASTM F 1804)

Equation 3-4, Book 3, p162

PROJECT INFORMATION

Project Name = MBARI HDD Project

Today's Date = 9/12/2004

Comments =

The information contained herein cannot be guaranteed because the conditions of use are beyond our control. This document should not be substituted for the judgement of a professional engineer in determining the suitability of any pipe for a given project as the methodology herein may not accurately represent the site conditions or be inclusive of all parameters that must be considered. The user of this information assumes all risk associated with its use.

ENTER A VALUE IN EVERY BOX BELOW

D = Outside Diameter = 2.375 in

DR = Dimension Ratio = 11

T_Y = Tensile Yield = 3200 psi

RESULTS

F_S = SAFE PULL STRENGTH (lb) = 1875.11

W = WEIGHT OF PIPE (lb/ft) = .64

Where the pulling path radius of curvature is around 150 diameters or less, the Safe Pull Strength may need to be reduced due to the combination of tensile loads from the pulling force and the bending curvature.