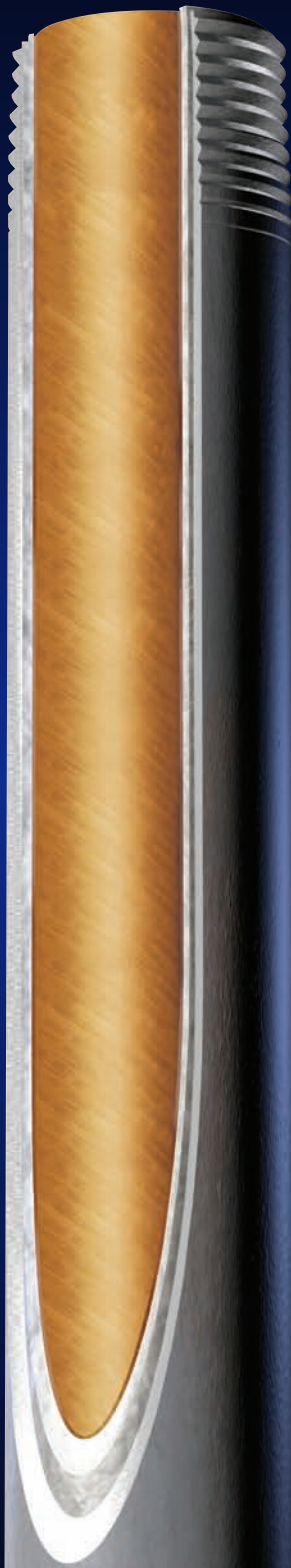


Duoline[®] lining systems extend the life of your tubulars



CONNECTION OPTIONS

DUOLINE[®] may be installed in threaded oilfield tubular goods with nearly any connection option. There are a few general 'rules of thumb' regarding connection and connection protection devices for **DUOLINE[®]**.

API threaded connections generally employ the **DUOLINE[®]** corrosion barrier ring (CBR) that has over 50 years of field history. One option for API threaded tubing is the new field tested No-Ring connection device that was developed to ease installation.

Premium connections employ a "T" shaped PTFE CBR with either the DL-Ring system, or the "FGL" variation to common premium threads.

CONNECTION OPTIONS OVERVIEW

API threaded tubing or casing with Corrosion Barrier Ring & DUOLINE 20

- Used extensively in injection applications since 1971
- Has been used in 2-1/16" through 7" pipe sizes
- EUE LT&C, ST&C



VAM[®]

- Accommodates "free-issue" unmodified threads and couplings
- Qualified via full 4-quadrant 95% VME test programs
- Has been used in 3-1/2" through 10-3/4" diameter pipe sizes

CONNECTION OPTIONS OVERVIEW *CONTINUED*

DUOLINE[®]
TECHNOLOGIES

Benoit-BTS-FGL

- An IJ "2-step" tubing thread variation of the Benoit thread family
- Has been used in 2-1/16" through 4-1/2" pipe sizes



Nippon Steel NSCT-FGL & NSCC-FGL variations of the Nippon thread family

- Used in demanding onshore & offshore deep injection and producing wells.
- Has been used in 3-1/2" through 7" pipe sizes

Buttress Casing with Corrosion Barrier Ring & Duoline[®] 20

- Has been used in 4-1/2" through 9-5/8" sizes
- Used in applications where standard API Connections will not suffice and High Proprietary Connections are not feasible
- Accommodates "free-issue" unmodified threads and coupling



*FOR COMPLETE DETAILS ABOUT OUR EXPANDED FACILITIES
AND NEW CAPABILITIES LOGON TO www.duoline.com*

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