

# **SUPERMAX**

## **SERIES**

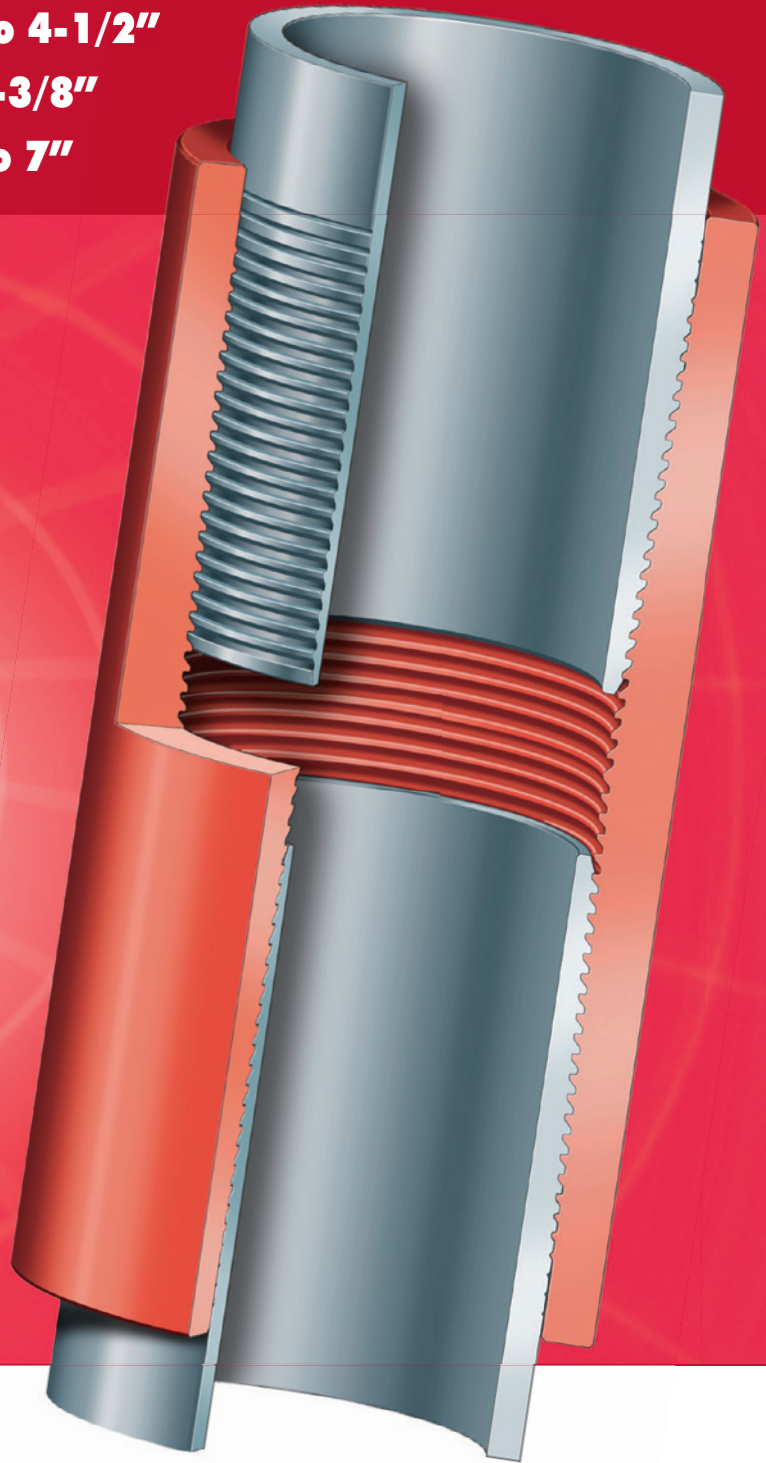
**SUPERMAX**

**1.900" to 4-1/2"**

**SUPERMAX2**

**5" to 13-3/8"**

**SUPERMAX TS and TS2 2-3/8" to 7"**



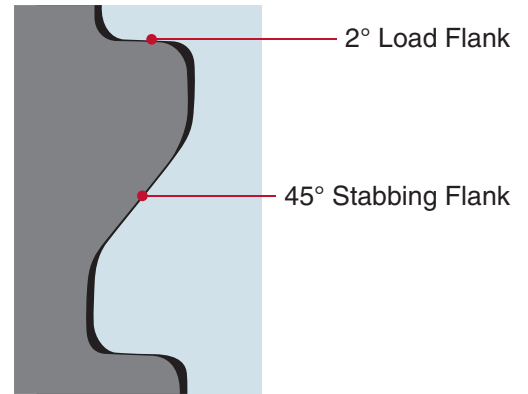
## **Low Cost & High Performance**

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**Metal One**

# SUPERMAX Feature of Design

- 1 Threaded Coupled on non-upset plain end
- 2 Taper: 1/ 16
- 3 8TPI for SUPERMAX, 5TPI for SUPERMAX2
- 4 Pin: Bare  
Coupling: Phosphated



# SUPERMAX Performance Summary

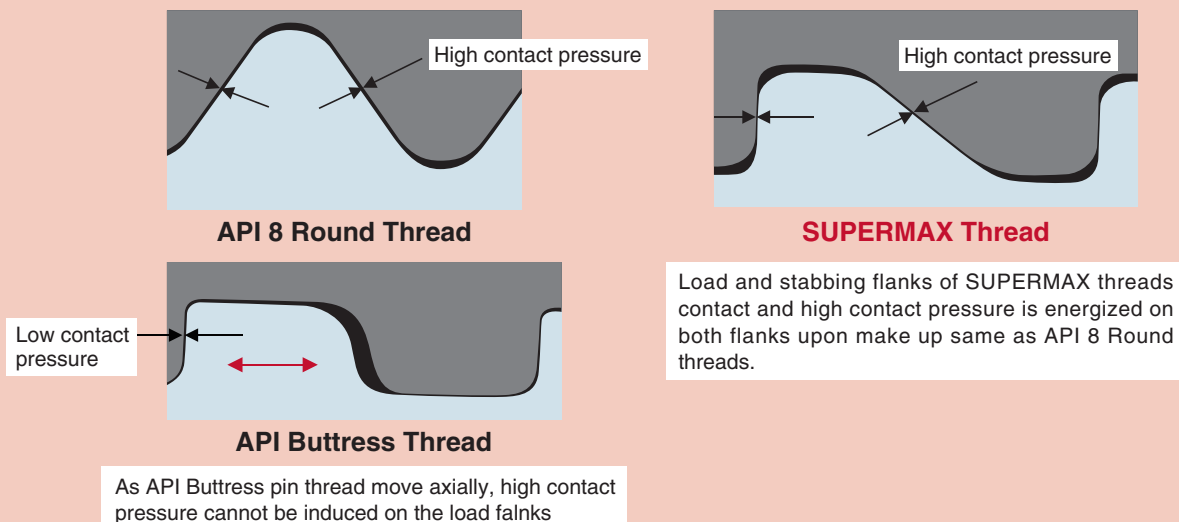
## Reduced Cost Alternative to EUE

- 1 **Non upset tubing**
- 2 **Easy Threading**  
Short thread length, and easy machining
- 3 **Cheaper Accessories**
- 4 **Extended product life**  
Multiple Rethreading Capability
- 5 **Small coupling OD**  
Fit for Low Clearance

## High Performance

- 1 **Sealing integrity**  
Excellent internal pressure resistance  
- Unique thread engagement (Fig. below)  
- Tight machining tolerance  
- Make up torque and position control
- 2 **Joint Strength**  
Tensile strength equal to pipe body
- 3 **Resistance to galling**  
Multiple make and break capabilities

## Thread Engagement of **SUPERMAX** Thread



# SUPERMAX Examples of Applications

## LOW COST

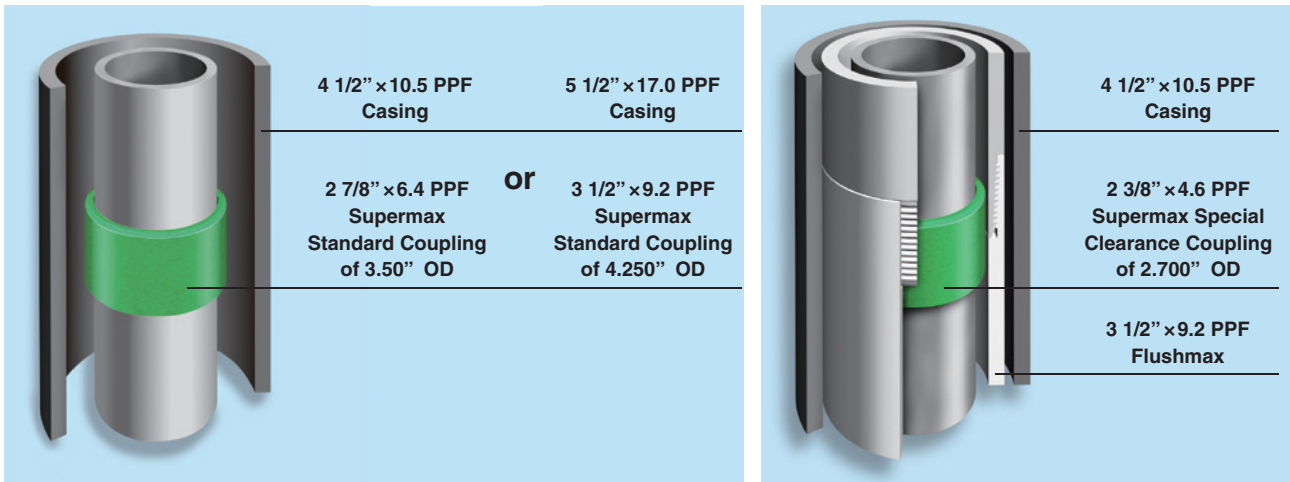
- 1 Production tubing for oil well in which API EUE is used
- 2 Reclamation of API EUE tubing with insufficient upset length for repair

## HIGH PRESSURE RESISTANCE

- 3 Low pressure gas well ( lower than 5,000 psi ) in which premium connection is used
- 4 Tubing for high pressure frac. Job

## SMALL COUPLING OD

- 5 Smaller coupling OD than API EUE enable to run;
  - 2-7/8" inside 4-1/2", 3-1/2" tubing inside 5" and 5-1/2" These combinations enhance production volume, and increase pump rate for frac. Job
  - In case of 4-1/2" Casing repair with 3-1/2" Flush connection, 2-3/8" SUPERMAX can be run instead of macaroni tubing.
  - Gives more room for ESP cable



### Coupling OD of SUPERMAX

Pipe OD (in)	Weight (lbs/ft)	WT (in)	Std OD (in)	SC OD (in)	JE (%)	API EUE (OD)
2-3/8"	4.60	0.190	2.875	2.700	114	3.063
2-7/8"	6.40	0.217	3.500	3.250	112	3.668
3-1/2"	9.20	0.254	4.250	3.900	100	4.500
4-1/2"	12.60	0.271	5.000	4.950	102	5.563

## OTHERS

- 6 Tubing for thermal application ( Huff & Puff )

### (Option)

- Internal plastic coating
- Special clearance coupling 20°bevel
- Glass fiber lining
- Resilient seal (Teflon Ring)

## **SUPERMAX2 ( 5" to 13-3/8" )**

### **Pros and cons of API Connection:**

#### **BTC:**

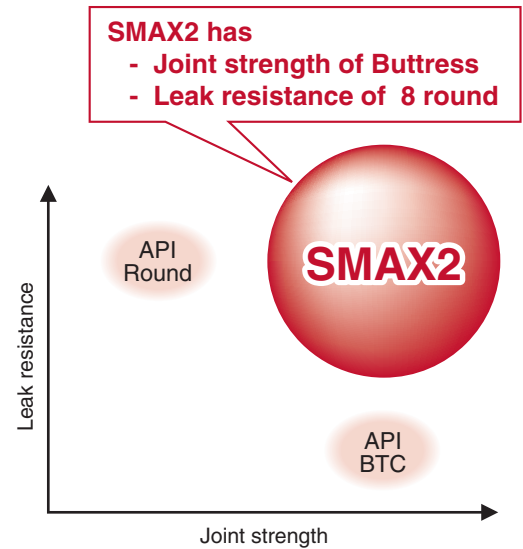
**Pros** ▶ High joint strength

**Cons** ▶ Poor leak resistance

#### **LTC:**

**Pros** ▶ Good leak resistance

**Cons** ▶ Prone to jump out



### **APPLICATIONS for SUPERMAX2**

- 1** Production casing for frac. job
- 2** Production casing for low pressure gas wells

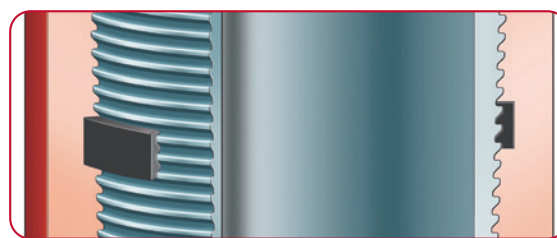
## **SUPERMAX TS and TS2 ( 2-3/8" to 7" )**

### **Additional Feature of SUPERMAX-TS series**

- 1** Interchangeable with standard SUPERMAX or SUPERMAX2
- 2** Internally flush to avoid turbulence
- 3** High torque resistance
- 4** Low hoop stress on the coupling

### **APPLICATIONS for SUPERMAX TS and TS2**

- 1** Casing for shale plays with high pressure frac. job
- 2** Tubing for thermal application ( Huff & Puff, SAGD )
- 3** Liner for horizontal section



**(Option)**

**SUPERMAX-TSR**

Resilient seal for high gas pressure application

