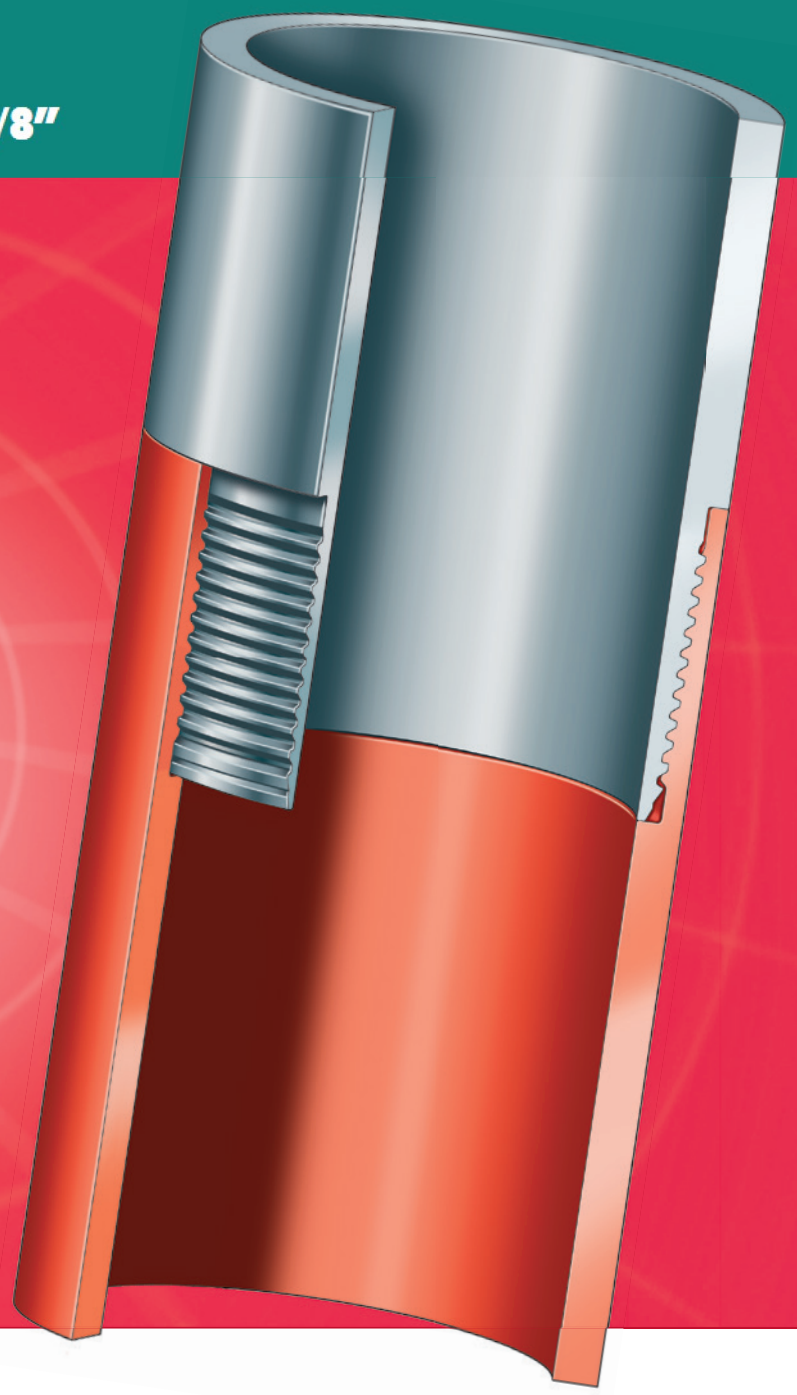
FLUSHMAX
SERIES

FLUSHMAX	**2-3/8″ to 4″**
FLUSHMAX - II	**4-1/2″ to 7″**
FLUSHMAX - III	**7-5/8″ to 13-3/8″**

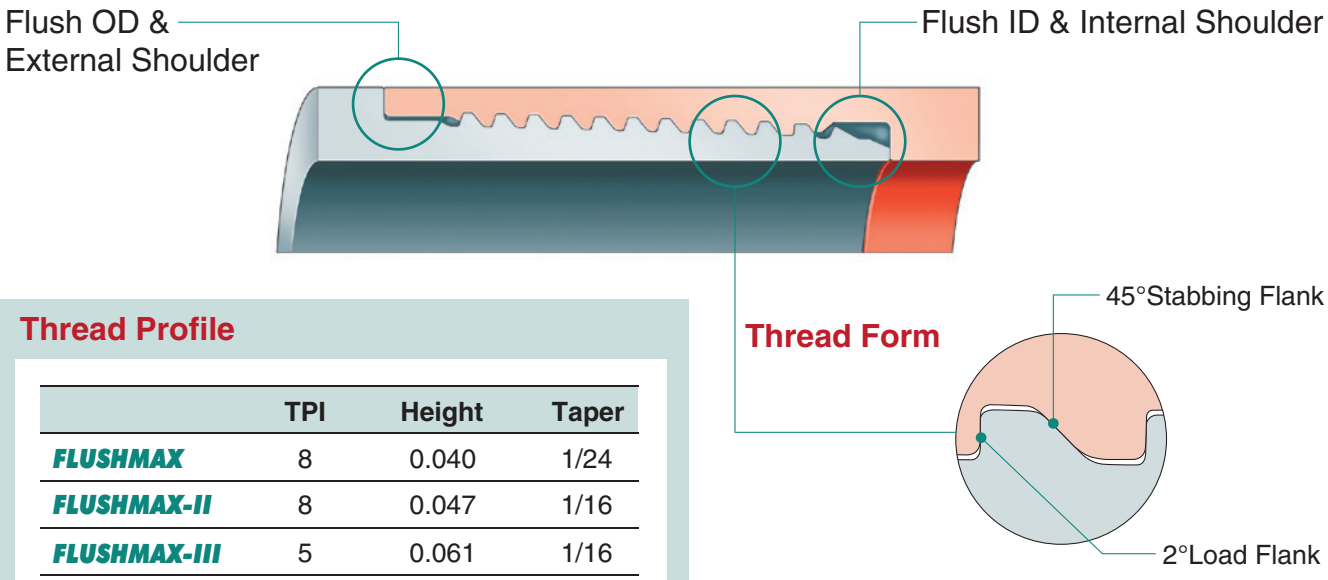


Low Cost & High Performance Flush Connection

Metal One

FLUSHMAX Feature of Design

1. Externally & internally 100% flush connection
2. Thread seal connection
3. High over-torque resistance due to double shoulders
4. High galling resistance for multiple make and break



Thread Profile

	TPI	Height	Taper
FLUSHMAX	8	0.040	1/24
FLUSHMAX-II	8	0.047	1/16
FLUSHMAX-III	5	0.061	1/16

FLUSHMAX Performance Summary

1 Tensile Strength (Pipe Body Yield Load)

FLUSHMAX : 45-50%
FLUSHMAX-II, FLUSHMAX-III : 60%

2 Compression Strength

60% of pipe body yield

3 Internal Pressure

80% of pipe body internal yield pressure

4 Collapse Value

Equal to API Collapse pressure

5 Torque Resistance

Very High Torque Resistance

6 Bending Resistance

20 deg./ 100ft for 5-1/2”

Recommended Torque & Yield Torque

unit : ft-lbs

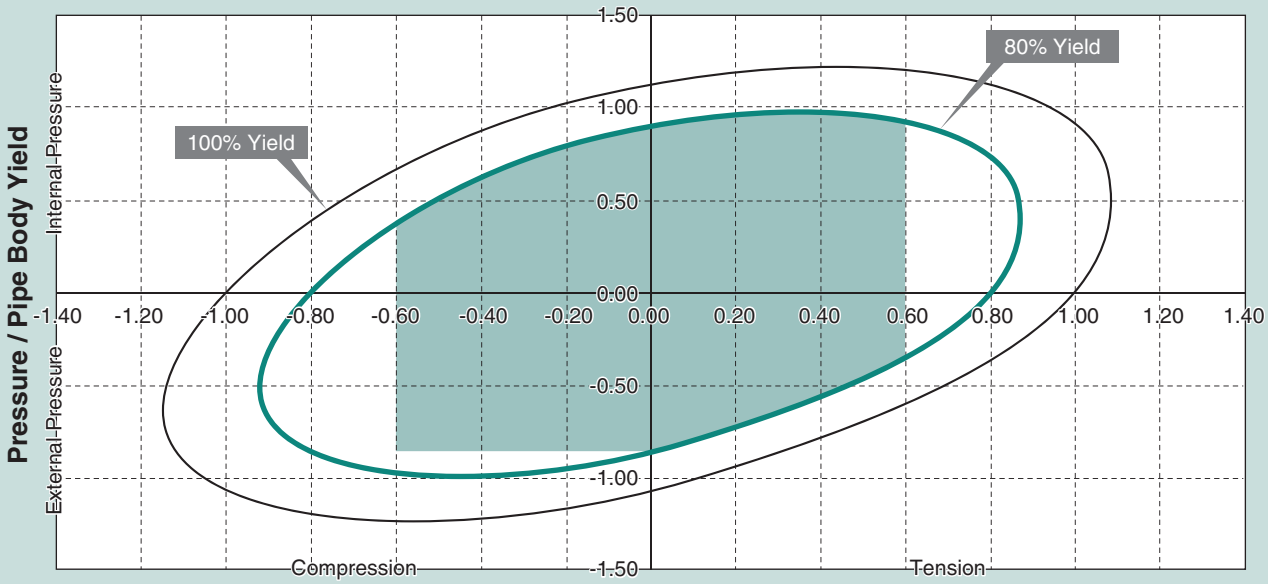
		5” ×18 # P110	5-1/2” ×17 # N80	7” ×26 # L80
Recommended Torque	Min.	3,900	3,800	5,400
	Max.	4,900	4,800	6,600
Actual yield torque		18,000	18,200	>25,000

FLUSHMAX Technical Data

Service Envelope

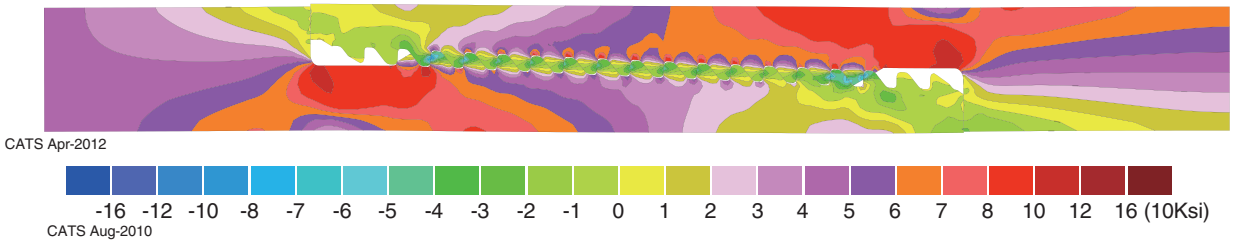
Shoulders work as metal seal :

FLUSHMAX series have “SUPERMAX” thread which provides high leak resistance. Also, as FLUSHMAX series can be used up to the limited tensile load (60% of pipe body tension) especially used for liner, shoulders do not open and work as metal to metal seal.



Finite Element Analysis

Axial stress on 5-1/2” x 20# L80 FMAX-II under 60% body yeild load



Tension to Failure Test Results

5-1/2” x 20# L80
Yielding load = 284.3 kips (61% of SMYS)
Failure stress = 330.9 kips (71% of SMYS)
* SMYS : Min. Specified Yield Strength of pipe body

FLUSHMAX Examples of Application

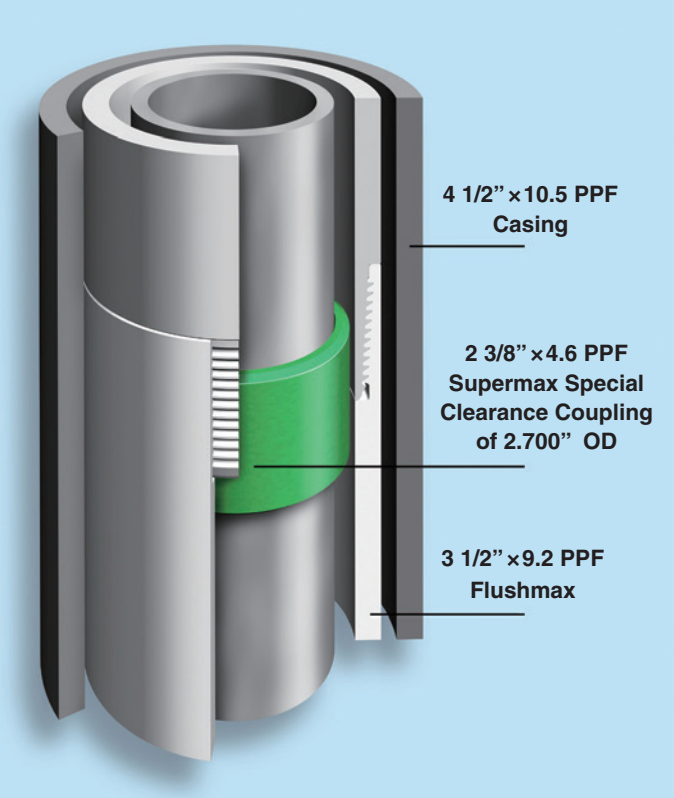
CASING APPLICATIONS

- Liner
- Screen pipe
- Side tracking
- Casing Repair

TUBING APPLICATIONS

- Tail pipe
- Wash pipe

Example of Casing Repair Application In West Texas, USA



INTEGMAX : 2-3/8" – 4-1/2"

1. Slim OD and high bending resistance (up to **50 degrees / 100 ft**)
2. High joint strength = 80% of pipe body on tension
3. Threaded on standard API EUE upset.
4. Market : Side tracking, work tubing
5. Suitable for Internal plastic coating or GRE liner