

NEW VAM®

The famous versatile premium

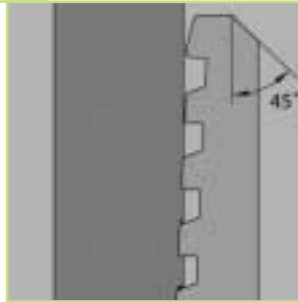


VAM TOP
VAM TOP HC
VAM TOP HT
VAM TOP FE
NEW VAM
VAM ACE
VAM PRO
VAM HW ST
VAM SLIJ II
VAM FJL
VAM MUST
DINO VAM
BIG OMEGA

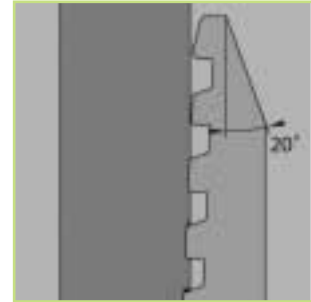


VALLOUREC & MANNESMANN TUBES
OCTG DIVISION

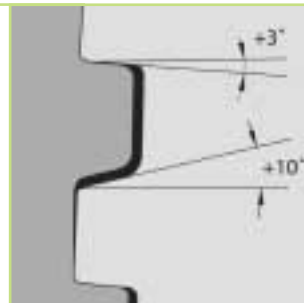
Thread run-out



Special bevel option



Thread form



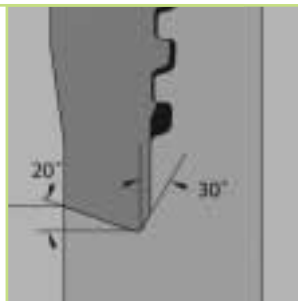
Ø 2 3/8" to 2 7/8" – 8 TPI

Ø 3 1/2" to 4 1/2" – 6 TPI

Ø 5" and above – 5 TPI

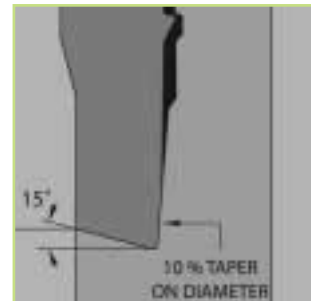
Taper 1:16

Tubing seal geometry



Dia: ≤ 4 1/2"

Casing seal geometry



Dia: ≥ 5"

NEW VAM® is a highly versatile T&C connection providing gas-tight sealing in medium to deep tubing and casing applications. NEW VAM® is an improvement on the original VAM® joint which pioneered the concept of high-performance premium connections.

BENEFITS

- **Excellent gas-tight sealing**
- **Decades of successful field experience**
- **Easy to run and repair**

Metal-to-metal seal

- The tapered VAM® metal-to-metal seal is energized by a reverse angle torque shoulder, a design which has been field-proven in thousands of applications the world over.
- Tubing: a 30° angle seal provides excellent gas-tightness, even after repeated make-up and break-out. The design virtually eliminates all risk of seal galling.
- Casing: a low taper seal (10% taper on diameter) provides gas-tightness under high tension loads such as with heavy string weights.

Reverse angle torque shoulder

- The reverse angle torque shoulder provides a positive torque stop, which allows for accurate power-tight make-up and minimizes hoop stresses in the connection.
- The wedge effect caused by the reverse angle gives the connection superior structural strength.

Improved buttress thread

- Because the vanishing threads are covered by the coupling, the connection tensile efficiency is maximized.
- Clearance at the top of the thread crests minimizes thread galling and avoids the trapping of compound inside the threads.
- The design facilitates easy stabbing without cross-threading and fast trouble-free make-up.

Coupling design

- Tubing: longer couplings, with optimized ODs, are provided in order to ensure 100% tensile efficiency.
- Casing: coupling ODs are the same as the API buttress couplings in order to conform to standard running and handling equipment.

Streamlined internal profile

- Tubing: a 6° pin ID chamfer in tubing sizes, reduced tolerances on the coupling center bore, and a long shoulder contribute to minimize turbulence and energy loss inside the tubing connection.
- Casing: a 15° pin ID chamfer and long shoulder will also facilitate the running of completion equipment, avoiding the damage that occurs when using non-premium connections.

Options

- NEW VAM® MS (Matched Strength): for 100% tensile efficiency as for heavy loads caused by long casing string.
- NEW VAM® SC (Special Clearance): for extra clearance applications, as when annular space is a limiting factor.
- NEW VAM® SB (Special Bevel): coupling face has a 20° bevel to avoid hang-ups in multiple completion programs.

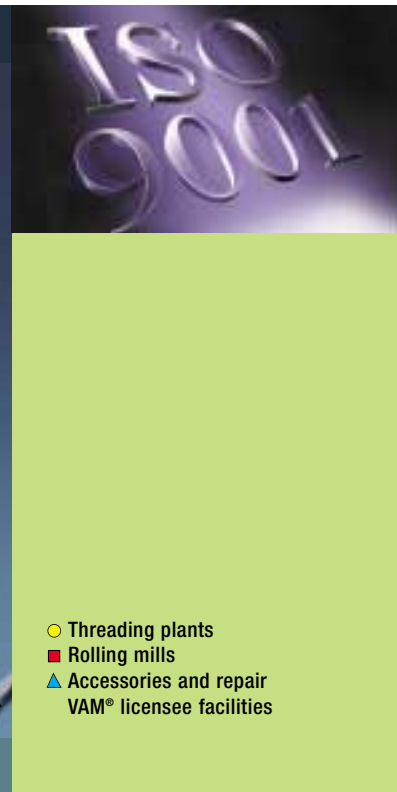
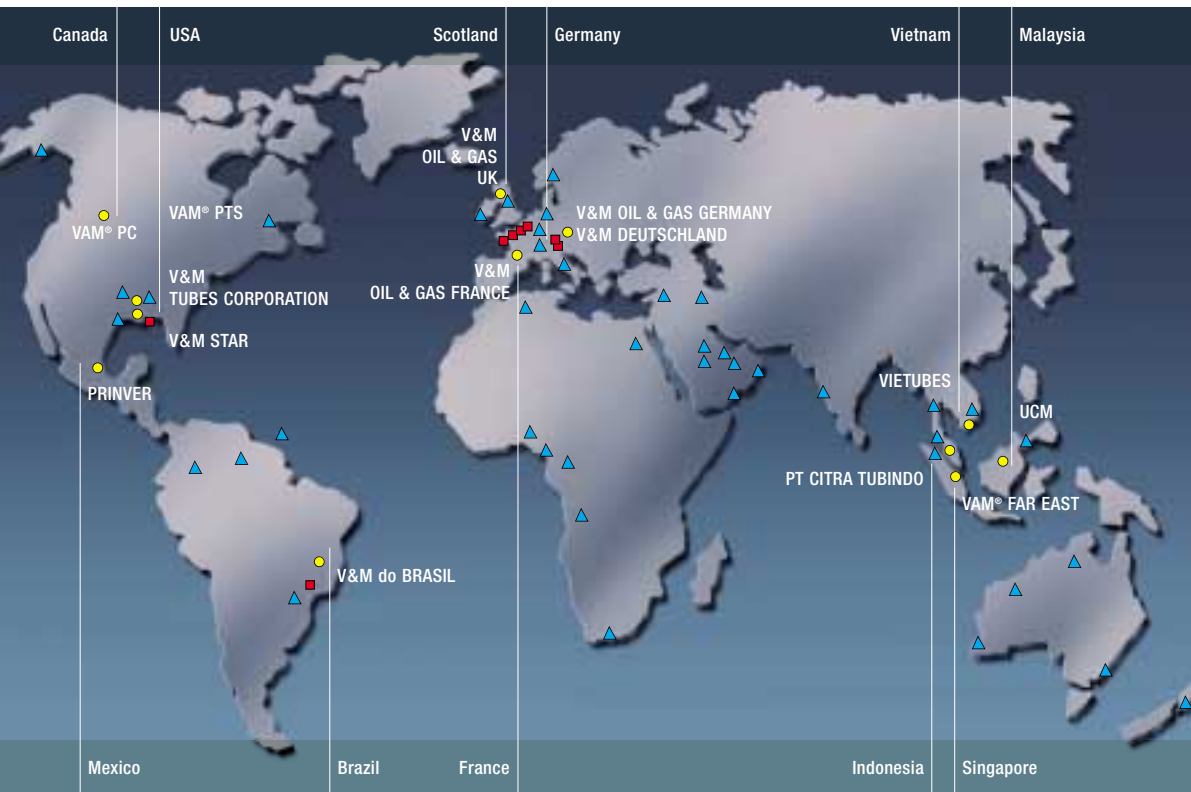
External pressure equal to collapse pressure calculated from API Bul. 5 C 3 section 1. Minimum internal yield pressure are calculated from API Bul. 5 C 3 section 3, formula 3.1.1.

External pressure (psi)							Minimum internal yield pressure (psi)							Nominal weight	Size (OD)
55 ksi	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	140 ksi	55 ksi	80 ksi	90 ksi	95 ksi	110 ksi	125 ksi	140 ksi	lb./ft.	inch mm
8100	11780	13250	13980	16130	17900	19580	7700	11200	12600	13300	15400	17500	19600	4.60	2 3/8
9170	13340	15010	15840	18340	20840	23340	8830	12850	14460	15260	17670	20080	22490	5.10	60.33
10510	15280	17190	18150	21010	23880	26740	10290	14970	16840	17780	20590	23390	26200	5.80	
7680	11170	12380	12940	14550	16070	17490	7260	10570	11890	12550	14530	16510	18490	6.40	2 7/8
9550	13890	15620	16490	19090	21700	24300	9240	13440	15120	15960	18480	21000	23520	7.80	73.03
10520	15300	17220	18170	21040	23910	26780	10310	15000	16870	17810	20620	23430	26250	8.60	
11470	16680	18770	19810	22940	26070	29200	11380	16560	18630	19660	22770	25870	28970	9.35	
12110	17610	19810	20910	24210	27510	30820	12120	17630	19830	20930	24240	27540	30850	9.80	
5970	7870	8540	8850	9730	10500	11140	5940	8640	9720	10260	11880	13500	15120	7.70	3 1/2
7400	10540	11570	12080	13530	14890	16150	6990	10160	11430	12070	13970	15880	17780	9.20	88.90
8330	12120	13640	14390	16670	18940	20770	7950	11560	13010	13730	15900	18060	20230	10.20	
10520	15310	17220	18180	21050	23920	26790	10310	15000	16880	17810	20630	23440	26250	12.70	
11450	16650	18730	19770	22900	26020	29140	11360	16520	18590	19620	22720	25810	28910	13.70	
12300	17890	20130	21250	24600	27960	31310	12350	17960	20210	21330	24700	28060	31430	14.70	
12930	18800	21150	22330	25850	29380	32900	13090	19040	21420	22610	26180	29750	33320	15.50	
5110	6590	7080	7310	7910	8390	8730	5440	7910	8900	9390	10880	12360	13840	9.50	4
6590	8800	9590	9980	11060	12030	12890	6300	9170	10320	10890	12610	14330	16050	10.90	101.60
8330	12110	13620	14380	16650	18910	20740	7940	11550	12990	13720	15880	18050	20210	13.20	
9460	13760	15480	16340	18910	21490	24070	9140	13300	14960	15790	18290	20780	23280	14.80	
10550	15350	17270	18230	21110	23990	26860	10350	15050	16930	17870	20690	23520	26340	16.50	
4010	4940	5200	5310	5560	5830	6110	4790	6970	7840	8280	9580	10890	12200	10.50	4 1/2
4960	6360	6810	7030	7580	8000	8300	5350	7780	8750	9240	10690	12150	13610	11.60	114.30
5730	7500	8120	8410	9210	9890	10450	5800	8430	9490	10010	11590	13170	14750	12.60	
6420	8540	9300	9660	10690	11600	12400	6200	9020	10150	10710	12410	14100	15790	13.50	
7620	11080	12220	12760	14340	15830	17220	7210	10480	11800	12450	14420	16380	18350	15.10	
8500	12370	13920	14690	17010	19330	21630	8130	11820	13300	14040	16260	18470	20690	17.00	
9510	13830	15560	16420	19010	21610	24200	9200	13380	15050	15890	18390	20900	23410	18.90	
10860	15800	17780	18770	21730	24690	27650	10690	15560	17500	18470	21390	24310	27220	21.50	
11990	17430	19610	20700	23970	27240	30510	11980	17420	19600	20690	23960	27220	30490	23.70	
4140	5140	5430	5550	5840	6050	6350	4870	7080	7970	8410	9740	11070	12400	13.00	5
5560	7250	7830	8110	8850	9480	9980	5700	8290	9320	9840	11400	12950	14500	15.00	127.00
7390	10500	11520	12020	13470	14820	16070	6970	10140	11400	12040	13940	15840	17740	18.00	
8240	11990	13490	14240	16490	18550	20320	7850	11420	12850	13570	15710	17850	19990	20.30	
8500	12360	13910	14680	17000	19320	21610	8120	11820	13290	14030	16250	18460	20680	20.80	
8770	12760	14360	15150	17550	19940	22330	8410	12240	13770	14530	16820	19120	21410	21.40	
9510	13830	15560	16430	19020	21620	24210	9200	13380	15060	15890	18400	20910	23420	23.20	
9900	14400	16200	17100	19800	22500	25200	9630	14000	15750	16630	19250	21880	24500	24.10	
3120	3610	3860	3970	4230	4400	4480	4270	6210	6990	7380	8540	9700	10870	14.00	5 1/2
4040	4990	5260	5380	5630	5890	6170	4810	7000	7880	8310	9630	10940	12250	15.50	139.70
4910	6290	6730	6940	7480	7890	8170	5320	7740	8710	9190	10640	12090	13540	17.00	
6620	8830	9630	10020	11110	12090	12950	6320	9190	10340	10910	12640	14360	16080	20.00	
7670	11160	12380	12930	14540	16060	17480	7260	10560	11880	12540	14530	16510	18490	23.00	
8700	12650	14230	15020	17390	19760	22140	8330	12120	13630	14390	16660	18930	21200	26.00	
2970	3470	3700	3800	4020	4170	4220	4180	6090	6850	7230	8370	9510	10650	20.00	6 5/8
4010	4950	5210	5320	5570	5840	6120	4790	6970	7850	8280	9590	10900	12200	23.20	168.28
4560	5760	6140	6310	6730	7020	7180	5110	7440	8370	8830	10230	11620	13020	24.00	
6170	8170	8880	9220	10160	11000	11710	6060	8810	9910	10460	12120	13770	15420	28.00	
7320	10320	11330	11830	13230	14540	15750	6900	10040	11290	11920	13800	15680	17570	32.00	
8030	11670	13130	13860	15870	17600	19230	7630	11090	12480	13170	15250	17330	19420	35.00	

* Coupling CCS = Coupling Critical Cross Section

1 ksi = 1000 psi
 1 psi = 0.006895 Mpa
 0.06895 bar

Our worldwide network for your success



- Threading plants
- Rolling mills
- ▲ Accessories and repair
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Procedure to get CDS (Connection Data Sheet) on the website:

Click anywhere in the picture. Click [Advanced Search](#) / pipe and VAM connection data. Click the appropriate combination of size/connection. Click on [Advanced](#). Under "Make-up properties", click on **CDS**.

www.vamservices.com



VALLOUREC & MANNESMANN TUBES
OCTG DIVISION