

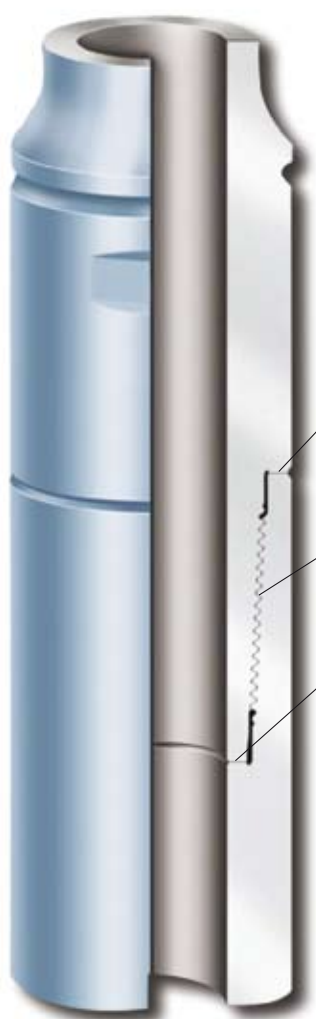
Drill Faster and Further

VAM Express™ drill pipe connections provide easy stabbing, quick rig makeup and 1 1/2 to 2 times the torque capacity of API connections.



Trip time is money. With VAM Express™ easy stabbing and quick makeup can save drillers dozens of hours of trip time on each well.

VAM Express offers four major operational benefits to face the most challenging drilling conditions:



PRIMARY SEALING EXTERNAL SHOULDER

VAM EXPRESS THREAD FORM

SECOND INTERNAL SHOULDER

- **High torsional strength:** Torque capacity averages 1 1/2 to 2 times that of API connections.
- **Quick rig make-up:** Turns from stab-in to full makeup similar to API connections.
- **Greater safety margins**
- **Extended service life:** Thread design enhances drillstring service life through increased resistance to rotationally induced bending fatigue.

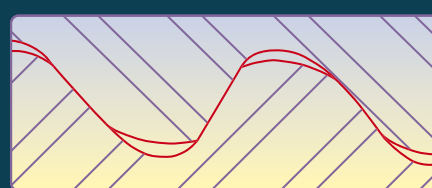
The VAM Express thread form features a large rounded stab crest and a laid down stab flank which allow easy stabbing of the connection. A back beveled crest reduces the chance of wedging the thread and increases the freedom of movement when the connection is made up. The elliptical root increases resistance to rotationally induced bending fatigue.

Typical Tool Joint Data and Comparison

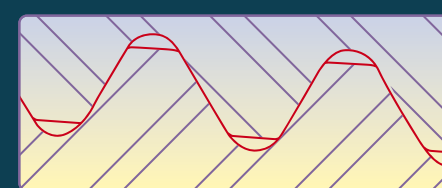
Pipe Size	Connection		Tool Joint		Make-up Torque (ft-lbs)	Torsional strength (ft-lbs)	Tensile Yield (lbs)
	Type	Size	OD (in)	ID (in)			
2 7/8"	API	NC31	4	2 1/8	6 890	11 500	447 000
	VAM Express	VX-31	4	2 1/8	11 700	19 500	479 000
3 1/2"	API	NC38	4 3/4	2 9/16	11 500	19 200	649 000
	VAM Express	VX-38	4 3/4	2 9/16	19 500	32 500	679 000
		VX-39	4 7/8	2 13/16	20 200	33 700	693 000
4"	API	NC40	5 1/4	2 9/16	16 600	27 700	838 000
	VAM Express	VX-39	5	2 3/4	22 300	37 200	729 000
		VX-40	5 1/4	2 13/16	25 600	42 600	914 000
4 1/2"	API	NC46	6 1/4	3 1/4	19 900	33 200	901 000
	VAM Express	VX-46	6 1/4	3 1/4	47 800	76 600	1 259 000
5"	API	NC50	6 5/8	3 1/4	30 700	51 200	1 270 000
	VAM Express	VX-50	6 5/8	3 1/2	57 900	92 800	1 475 000
5 1/2"	API	5 1/2" FH	7 1/4	3 1/2	43 300	72 200	1 620 000
	VAM Express	VX-54	6 3/4	4	55 800	89 400	1 320 000
5 7/8"	API	NA	NA	NA	NA	NA	NA
	VAM Express	VX-57	7	4 1/4	59 000	94 600	1 378 000
6 5/8"	API	6 5/8" FH	8	5	43 900	73 200	1 450 000
	VAM Express	VX-65	8	5	86 400	138 300	1 951 000

VAM Drilling proprietary drill pipe connections are supported by a worldwide network of licensed repair centers.

Thread Performance



VAM Express™ thread form



API thread form

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Vallourec Group

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