



ArcelorMittal

AM-BLADE



Cal IV Tested Sealability.

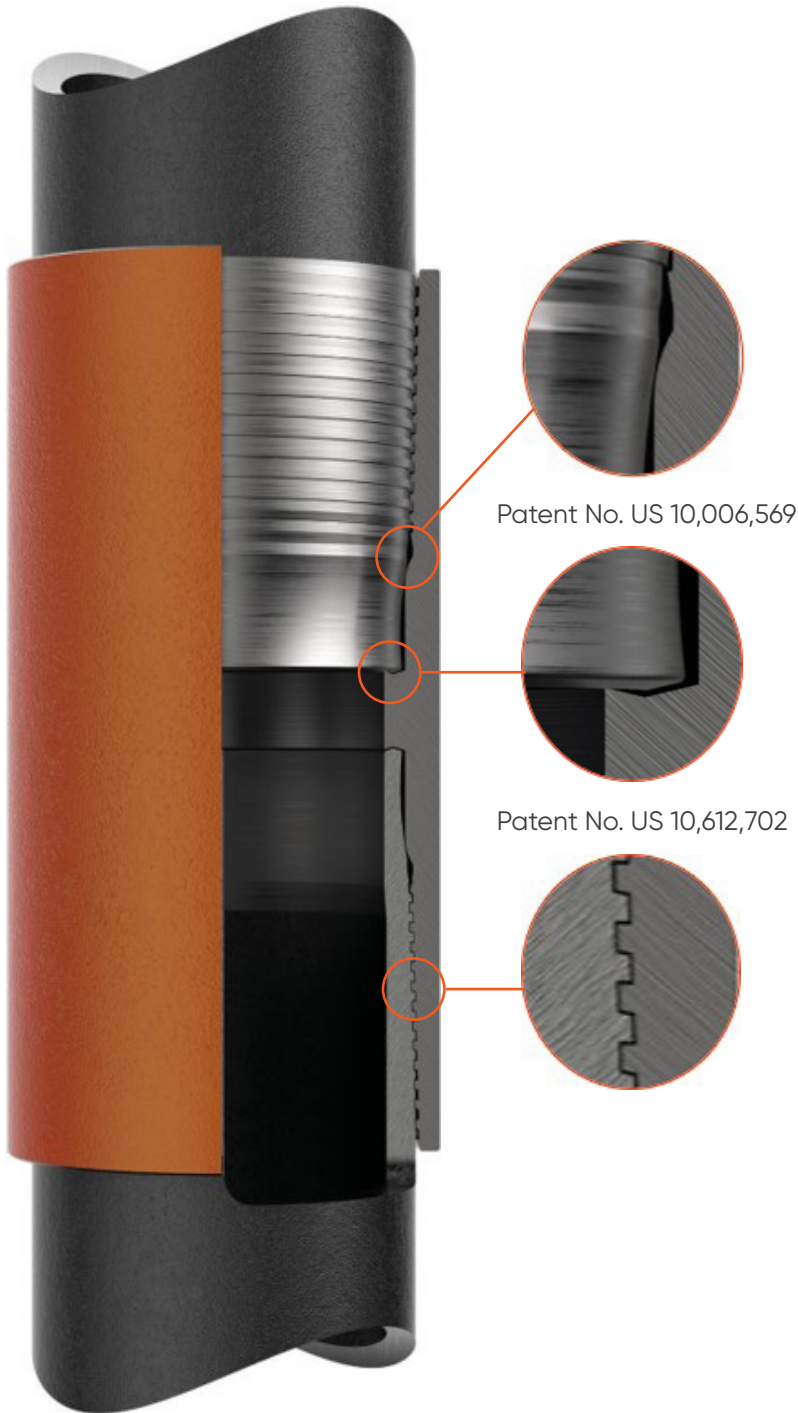
Supreme Galling Resistance.

Patented Innovation.

Available in sizes 4.500" to 13.375"

AM-BLADE

Introducing the AM-BLADE Premium Connection: Ensuring maximum gas sealability, excellent anti-galling properties, and 100% tension/compression performance, all in an economical design.



Patent No. US 10,006,569

Patent No. US 10,612,702

Metal to metal seal technology

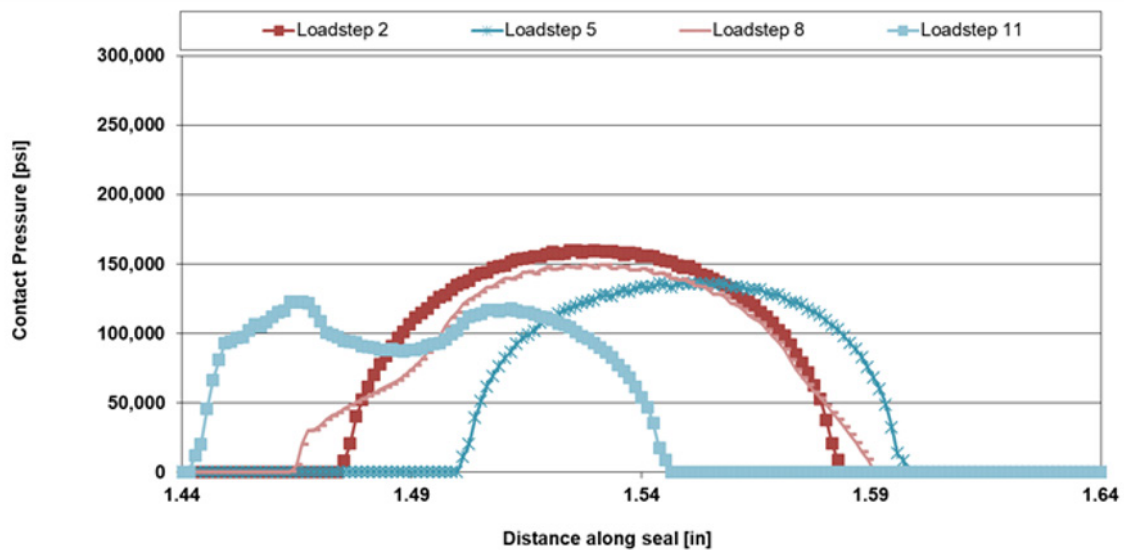
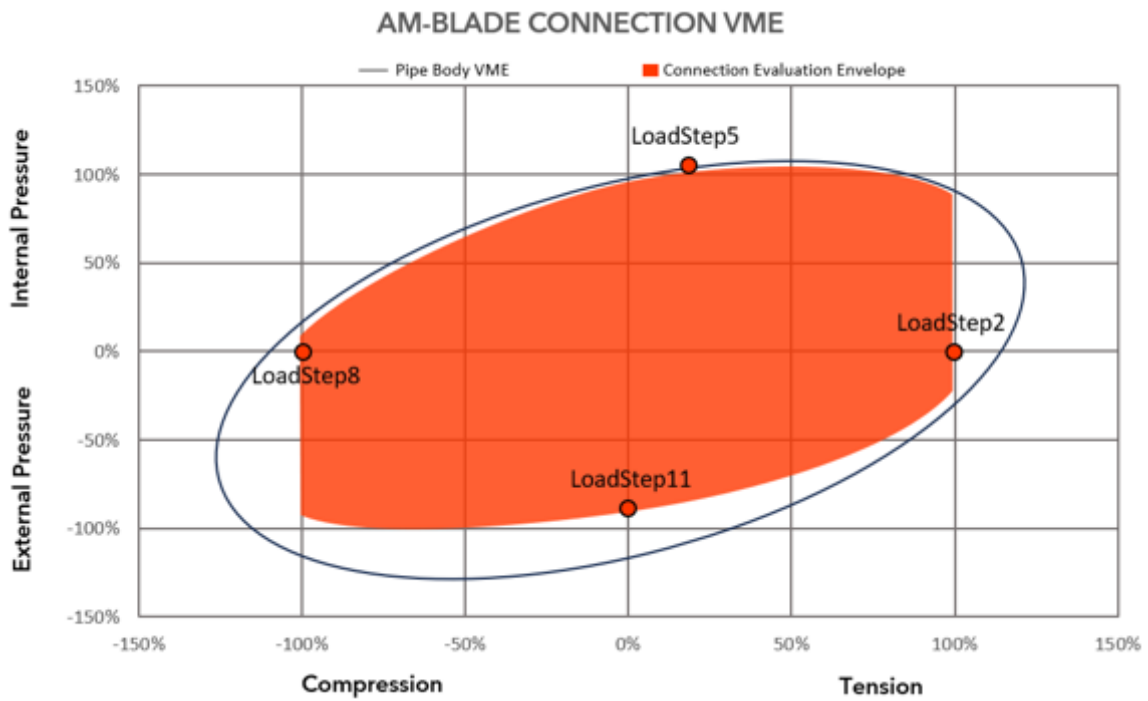
- Patented reverse “ball & socket” seal providing maximum gas-tight sealability
- Optimized seal design provides flexibility to ensure seal integrity during bending
- Seal geometry provides excellent anti-galling properties and resistance to handling damage

Engineered torque shoulder

- Patented wedge-shaped torque shoulder providing seal stability during deflection
- Increased shoulder area providing a robust pin nose, enhanced torques, and high compression resistance

Thread profile

- Hooked thread profile prevents movement in the connection allowing for maximum tension loads and preventing jump-out
- Run-in and run-out threads allow for maximum critical section areas providing exceptional tension performance
- Optimized thread design exhibits outstanding galling resistance and deep stabbing providing hassle-free field runs



- Tested to the latest and most vigorous testing protocol API 5C5 CAL IV: 2017
- Successfully completed 100% testing in Tension, Compression, Internal and External Pressures
- Completed testing in sizes from 4.500" – 13.375"
- Intensive Finite Element Analysis completed to optimize seal configuration in order to maximize the connection sealability index at critical combined loading points

Pipe Body Properties			Connection Properties						L80 (Ft-lbs)		P110 (Ft-lbs)	
Pipe Diameter	Weight	Wall Thickness	OD	ID	Tension Rating	Compression Rating	Coupling Length	Make-up Loss	Operating Torque	Yield Torque	Operating Torque	Yield Torque
4.500	13.50	0.290	5.010	3.856	100%	100%	9.596"	4.325"	7800	10500	9500	12700
4.500	15.10	0.337	5.077	3.811	100%	100%	10.023"	4.541"	9100	12200	11000	14700
5.000	18.00	0.362	5.627	4.214	100%	100%	10.740"	4.904"	11400	15300	13800	18400
5.000	23.20	0.478	5.786	4.063	100%	100%	11.713"	5.399"	15000	20100	18000	24000
5.500	20.00	0.362	6.132	4.765	100%	100%	10.758"	4.909"	13200	17600	16000	21400
5.500	23.00	0.415	6.210	4.610	100%	100%	11.214"	5.147"	16100	21500	19500	26100
7.000	29.00	0.408	7.686	6.130	100%	100%	11.211"	5.143"	23000	30700	28500	38100
7.000	32.00	0.453	7.749	6.071	100%	100%	11.609"	5.345"	25600	34200	31700	42300
7.625	29.70	0.375	8.300	6.823	100%	100%	10.935"	5.001"	23400	31200	29100	38900
7.625	33.70	0.430	8.385	6.713	100%	100%	11.423"	5.251"	28700	38300	35700	47700
9.625	40.00	0.395	10.334	8.831	100%	100%	11.930"	5.496"	37700	50300	47400	63200
9.625	43.50	0.435	10.395	8.706	100%	100%	12.287"	5.682"	43400	57900	54400	72600
9.625	47.00	0.472	10.450	8.707	100%	100%	12.631"	5.854"	47600	63500	59700	79600
13.375	61.00	0.430	14.202	12.456	100%	100%	12.287"	5.681"	68000	90700	86500	115400
13.375	68.00	0.480	14.285	12.356	100%	100%	12.750"	5.918"	90900	121300	115500	154100
13.375	72.00	0.514	14.294	12.347	100%	100%	13.069"	6.078"	99900	133200	126800	169100

*Other sizes and grades available upon request

*Please contact Technical Support for latest performance properties

Main applications

- High Pressure / High Temperature
- Deviated, Horizontal, extended wells
- Thermal and Geothermal
- Surface casing, Intermediate casing, production casing, tubing, tie-backs, and liners

Our company

ArcelorMittal | The world's leading mining company, known for its industry-leading innovation and sustainability efforts. Our goal is to help build a better world with smarter steels. Steels made using innovative processes which are more efficient, use less energy, and emit significantly less carbon. Steels that are cleaner, stronger and reusable.

Our offer

ArcelorMittal Projects Americas | We offer customized steel solutions for a wide range of applications in Offshore Wind, Oil & Gas, Energy Transition, Onshore Construction and both conventional and unconventional drilling operations. Our organization is comprised of skilled commercial and technical experts. We offer customized service and delivery of your products to where you need them. Our product range includes Plates, Beams, Welded and Seamless Line Pipe, and OCTG with API, Semi-Premium, and Premium Connections.



Get in touch with our team

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