



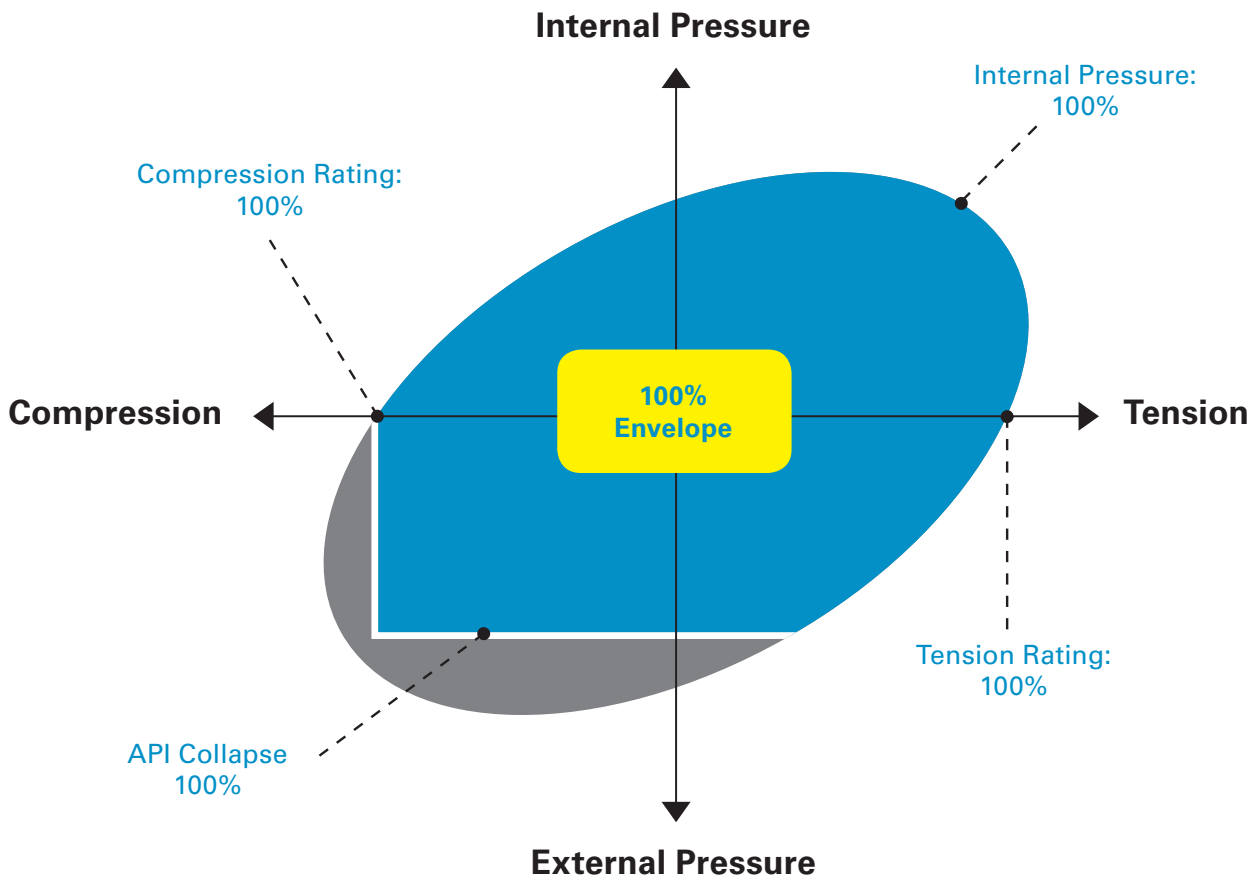
JFELION™

Premium Connection



JFE Steel Corporation

JFELION™ Connection Performance Envelope



Available Size Range

2³/₈" to 14"

Wall Thickness

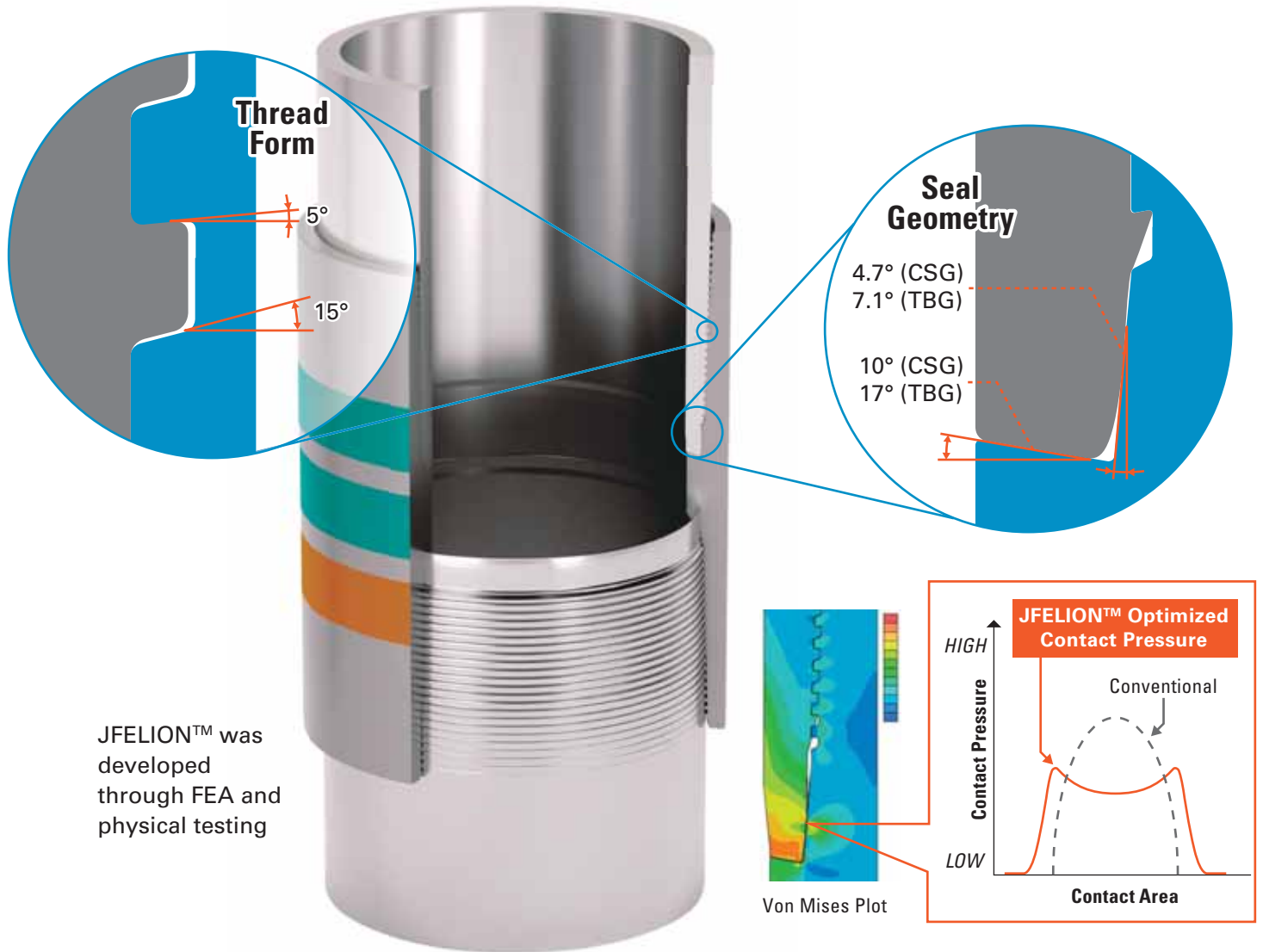
Up to ~0.850"

JFELION™ is the latest development in the JFE Steel premium connection series. Designed and proven to provide full pipe body performance in all pressure and axial load combinations. **JFELION™** has been tested and validated according to *ISO 13679:2002*, *ISO/FDIS 13679:2011* and *API 5C5* procedures for testing casing and tubing connections.

- Standard and special clearance coupling OD's
- Carbon steel, Chrome, and CRA grades
- Streamlined internal design
- Available with the Hunting Clear-Run™ system
- **JFELION™** HW available wall thickness up to 1.350"
- Fully evaluated high bending performance



JFELION™ has been designed and validated to the latest industry standards to meet the needs for critical well loads, including HPHT applications.



Unique seal profile provides stable contact pressure with low galling risk.

Design Advantage

- Reduced gap between stabbing flanks ➔ Increased resistance to compressive loads
- Negative 5° load flank angle on threads ➔ Enhanced bending and tension capacity
- 15° stabbing flanks ➔ Ease of stabbing and running
- Multi-radius seal profile ➔ Stable seal contact with wide contact area
- Optimized for pipe d/t ratio ➔ Maximum performance for each size

JFELION™ SIZE TABLE

Outside Diameter		SD ⁽¹⁾	Nominal Weight	Wall Thickness		Nominal Inside Diameter	Thrds/in	Drift Diameter		Coupling Outside Diameter ⁽²⁾		Coupling Length	Make up Loss Length
in.	mm			in.	mm			in.	tpi	(API)	(Special)		
2 3/8	60.32	SD23	4.60	0.190	4.83	1.995	8	1.901	1.910	2.735	69.47	5.440	2.310
2 7/8	73.02	SD26	6.40	0.217	5.51	2.441	8	2.347		3.281	83.34	5.920	2.550
		SD30	7.80	0.276	7.01	2.323	8	2.229		3.351	85.12	6.820	3.000
			8.60	0.308	7.82	2.259	8	2.165		3.399	86.33	6.820	3.000
			9.35	0.340	8.64	2.195	8	2.101		3.444	87.48	6.820	3.000
3 1/2	88.90	SD29	9.20	0.254	6.45	2.992	6	2.867		3.960	100.58	6.620	2.900
			10.20	0.289	7.34	2.922	6	2.797		4.017	102.03	6.620	2.900
		SD35	12.70	0.375	9.52	2.750	6	2.625		4.120	104.65	7.720	3.450
			14.30	0.430	10.92	2.640	6	2.515		4.199	106.65	7.720	3.450
4 1/2	114.30	SD29	12.60	0.271	6.88	3.958	6	3.833		5.002	127.05	6.620	2.900
		SD32	13.50	0.290	7.37	3.920	6	3.795		5.021	127.53	7.160	3.170
			15.20	0.337	8.56	3.826	6	3.701	3.750	5.100	129.54	7.160	3.170
		SD35	17.00	0.380	9.65	3.740	6	3.615		5.151	130.84	7.860	3.520
			18.90	0.430	10.92	3.640	6	3.515	3.540	5.229	132.82	7.860	3.520
5	127.00	SD30	15.00	0.296	7.52	4.408	6	4.283		5.546	140.87	6.840	3.010
		SD36	18.00	0.362	9.19	4.276	6	4.151		5.629	142.98	7.952	3.566
			21.40	0.437	11.10	4.126	6	4.001		5.751	146.08	7.952	3.566
		SD38	23.20	0.478	12.14	4.044	6	3.919		5.802	147.37	8.432	3.806
			24.10	0.500	12.70	4.000	6	3.875		5.835	148.21	8.432	3.806
5 1/2	139.70	SD41	15.50	0.275	6.98	4.950	5	4.825		6.022	152.96	9.580	4.140
			17.00	0.304	7.72	4.892	5	4.767		6.074	154.28	9.580	4.140
		SD46	20.00	0.361	9.17	4.778	5	4.653		6.149	156.18	10.480	4.590
			23.00	0.415	10.54	4.670	5	4.545		6.240	158.50	10.480	4.590
		SD49	26.00	0.476	12.09	4.548	5	4.423		6.323	160.60	11.080	4.890
			26.80	0.500	12.70	4.500	5	4.375		6.360	161.54	11.080	4.890
6 5/8	168.28	SD49	24.00	0.352	8.94	5.921	5	5.796		7.257	184.33	11.000	4.850
			28.00	0.417	10.59	5.791	5	5.666		7.371	187.22	11.000	4.850
			32.00	0.475	12.06	5.675	5	5.550		7.470	189.74	11.000	4.850
7	177.80	SD49	23.00	0.317	8.05	6.366	5	6.241		7.589	192.76	11.000	4.850
			26.00	0.362	9.19	6.276	5	6.151		7.671	194.84	11.000	4.850
			29.00	0.408	10.36	6.184	5	6.059		7.752	196.90	11.000	4.850
		SD52	32.00	0.453	11.51	6.094	5	5.969	6.000	7.811	198.40	11.718	5.209
			35.00	0.498	12.65	6.004	5	5.879		7.887	200.33	11.718	5.209
		SD54	38.00	0.540	13.72	5.920	5	5.795		7.944	201.78	12.194	5.447

Outside Diameter		SD ^[1]	Nominal Weight	Wall Thickness		Nominal Inside Diameter	Thrds/in	Drift Diameter		Coupling Outside Diameter ^[2]		Coupling Length	Make up Loss Length
in.	mm			in.	mm			in.	tpi	(API)	(Special)		
7 5/8	193.68	SD47	26.40	0.328	8.33	6.969	5	6.844		8.244	209.40	10.780	4.740
			29.70	0.375	9.52	6.875	5	6.750		8.330	211.58	10.780	4.740
		SD52	33.70	0.430	10.92	6.765	5	6.640		8.402	213.41	11.780	5.240
			35.80	0.460	11.68	6.705	5	6.580		8.454	214.73	11.780	5.240
			39.00	0.500	12.70	6.625	5	6.500		8.524	216.51	11.780	5.240
		SD57	42.80	0.562	14.27	6.501	5	6.376		8.601	218.47	12.780	5.740
8 5/8	219.08	SD50	40.00	0.450	11.43	7.725	5	7.600	7.625	9.458	240.23	11.380	5.040
		SD57	44.00	0.500	12.70	7.625	5	7.500		9.511	241.58	12.700	5.700
			49.00	0.557	14.15	7.511	5	7.386		9.611	244.12	12.700	5.700
			52.00	0.595	15.11	7.435	5	7.310		9.675	245.74	12.700	5.700
		SD62	54.00	0.625	15.88	7.375	5	7.250		9.702	246.43	13.600	6.150
			57.40	0.656	16.66	7.313	5	7.188	7.250	9.753	247.73	13.600	6.150
9 5/8	244.48	SD51	43.50	0.435	11.05	8.755	5	8.599	8.625	10.433	265.00	11.580	5.140
		SD57	47.00	0.472	11.99	8.681	5	8.525		10.468	265.89	12.780	5.740
			53.50	0.545	13.84	8.535	5	8.379	8.500	10.599	269.21	12.780	5.740
			58.40	0.595	15.11	8.435	5	8.279	8.375	10.687	271.45	12.780	5.740
9 7/8	250.82	SD68	62.80	0.625	15.88	8.625	4	8.469	8.500	10.969	278.61	14.830	6.765
			65.30	0.650	16.51	8.575	4	8.419	8.500	11.012	279.70	14.830	6.765
			66.40	0.661	16.79	8.553	4	8.397		11.031	280.19	14.830	6.765
			66.90	0.668	16.97	8.539	4	8.383		11.043	280.49	14.830	6.765
			67.50	0.678	17.22	8.519	4	8.363		11.060	280.92	14.830	6.765
			68.00	0.694	17.63	8.487	4	8.331		11.087	281.61	14.830	6.765
			68.90	0.700	17.78	8.475	4	8.319		11.097	281.86	14.830	6.765
10 3/4	273.05	SD65	55.50	0.495	12.57	9.760	4	9.604	9.625	11.635	295.53	14.300	6.500
			60.70	0.545	13.84	9.660	4	9.504		11.726	297.84	14.300	6.500
			65.70	0.595	15.11	9.560	4	9.404	9.500	11.816	300.13	14.300	6.500
			73.20	0.672	17.07	9.406	4	9.250		11.951	303.56	14.300	6.500
13 3/8	339.72	SD63	68.00	0.480	12.19	12.415	4	12.259		14.259	362.18	13.814	6.257
			72.00	0.514	13.06	12.347	4	12.191	12.250	14.324	363.83	13.814	6.257
			77.00	0.550	13.97	12.275	4	12.119		14.392	365.56	13.814	6.257
13 5/8	346.08	SD65	88.20	0.625	15.88	12.375	4	12.188	12.250	14.769	375.13	14.314	6.507
14	355.60	SD68	100.00	0.700	17.78	12.600	4	12.413		15.268	387.81	14.900	6.800

[1] SD is an identification code for distinguishing interchangeability

[2] Special Clearance (SC) option available

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