

### Anexo 1

Tabla 2.7. Resultados del Factor de Intensidad de Tensiones FIT – R0.2 (a=4mm, c=10mm)						
Muestra	Ángulo		API	Anderson [I]	Anderson [II]	ANSYS
	deg	rad				
			MPa mm <sup>0.5</sup>			
1	0.00	0.00	311.19	202.35	310.92	306.64
2	15.54	0.27	317.57	219.20	317.30	323.19
3	28.07	0.49	343.96	245.38	343.68	355.13
4	38.34	0.67	367.02	266.76	366.73	367.57
5	47.25	0.82	385.29	283.10	384.98	387.90
6	55.30	0.97	399.61	295.52	399.30	402.37
7	62.78	1.10	410.71	304.86	410.39	413.08
8	69.88	1.22	419.01	311.68	418.68	420.54
9	76.77	1.34	424.83	316.37	424.50	425.84
10	83.39	1.46	428.20	319.05	427.87	428.59
11	90.00	1.57	429.33	319.95	429.00	429.07
12	96.61	1.69	428.20	319.05	427.87	427.19
13	103.23	1.80	424.83	316.37	424.50	423.25
14	110.12	1.92	419.01	311.68	418.68	416.93
15	117.22	2.05	410.71	304.86	410.39	408.54
16	124.70	2.18	399.61	295.52	399.30	397.03
17	132.75	2.32	385.29	283.10	384.98	382.76
18	141.66	2.47	367.02	266.76	366.73	363.13
19	151.93	2.65	343.96	245.38	343.68	351.94
20	164.46	2.87	317.57	219.20	317.30	320.54
21	180.00	3.14	311.19	202.35	310.92	304.71

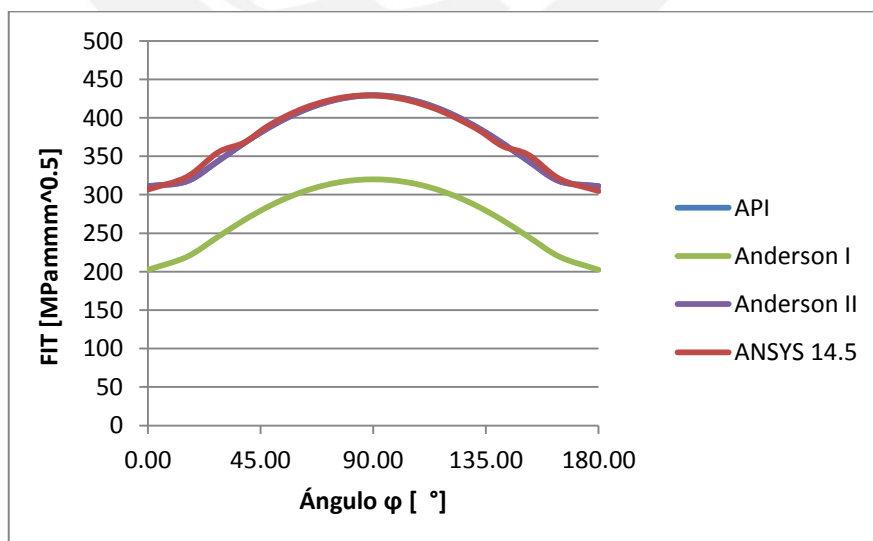


Fig. 2.23. Resultados de la evaluación de la variante a=4 mm - c=10 mm.

Tabla 8. Resultados del Factor de Intensidad de Tensiones FIT – R0.3 (a=6mm, c=10mm)						
Muestra	Ángulo		API	Anderson [I]	Anderson [II]	ANSYS
	deg	rad				
			MPa mm <sup>0.5</sup>			
1	0.00	0.00	418.42	285.46	417.89	420.17
2	12.03	0.21	404.57	290.82	404.08	408.06
3	23.31	0.41	406.03	303.54	405.55	416.32
4	33.59	0.59	414.27	318.22	413.80	413.99
5	42.99	0.75	424.31	331.86	423.85	426.49
6	51.70	0.90	434.02	343.42	433.55	432.51
7	59.89	1.05	442.47	352.69	442.01	442.01
8	67.71	1.18	449.28	359.73	448.81	446.57
9	75.27	1.31	454.24	364.66	453.77	451.53
10	82.67	1.44	457.25	367.57	456.78	453.10
11	90.00	1.57	458.26	368.53	457.79	454.46
12	97.33	1.70	457.25	367.57	456.78	452.81
13	104.73	1.83	454.24	364.66	453.77	450.97
14	112.29	1.96	449.28	359.73	448.81	445.82
15	120.11	2.10	442.47	352.69	442.01	441.29
16	128.30	2.24	434.02	343.42	433.55	432.00
17	137.01	2.39	424.31	331.86	423.85	426.29
18	146.41	2.56	414.27	318.22	413.80	414.11
19	156.69	2.73	406.03	303.54	405.55	416.60
20	167.97	2.93	404.57	290.82	404.08	408.49
21	180.00	3.14	418.42	285.46	417.89	420.66

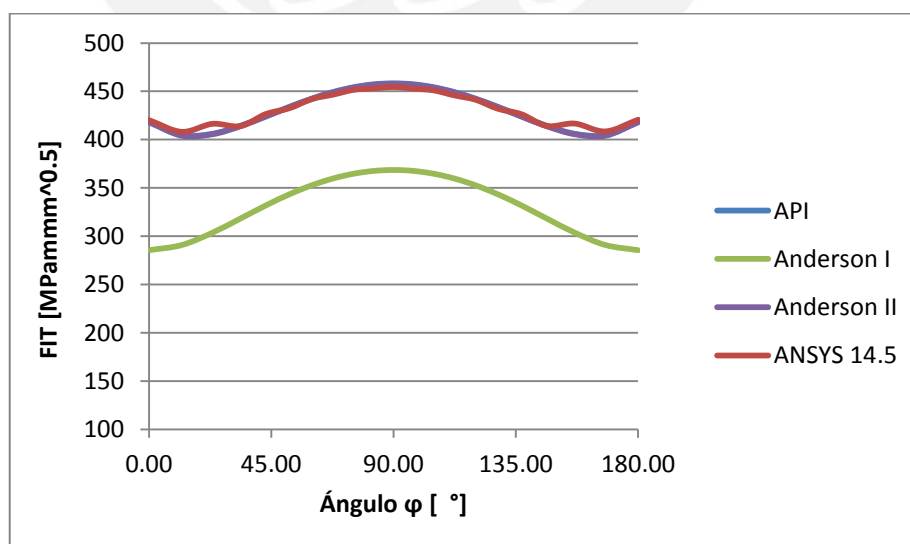


Fig. 2.24. Resultados de la evaluación de la variante a=6 mm - c=10 mm.

Tabla 9. Resultados del Factor de Intensidad de Tensiones FIT – R0.4 (a=8mm, c=10mm)						
Muestra	Ángulo		API	Anderson [I]	Anderson [II]	ANSYS
	deg	rad				
			MPa mm <sup>0.5</sup>			
1	0	0	498.161	351.335	497.346	488.53
2	10.12687676	0.176747342	476.99	352.853	476.235	477.69
3	20.08886511	0.350616839	462.781	357.024	462.08	471.01
4	29.76943167	0.519574599	454.786	362.929	454.129	453.33
5	39.11799604	0.682737828	451.34	369.538	450.718	455.61
6	48.13835097	0.840172721	450.82	376.015	450.225	449.96
7	56.8675758	0.992526435	451.913	381.789	451.339	454.21
8	65.35886607	1.140727408	453.642	386.51	453.084	451.99
9	73.67133306	1.285807326	455.32	389.98	454.773	456.23
10	81.8651706	1.42881677	456.495	392.095	455.955	454.11
11	90	1.570796327	456.915	392.805	456.377	456.84
12	98.1348294	1.712775884	456.495	392.095	455.955	453.78
13	106.3286669	1.855785327	455.32	389.98	454.773	455.85
14	114.6411339	2.000865245	453.642	386.51	453.084	452.06
15	123.1324242	2.149066218	451.913	381.789	451.339	454.85
16	131.861649	2.301419933	450.82	376.015	450.225	450.41
17	140.882004	2.458854826	451.34	369.538	450.718	455.24
18	150.2305683	2.622018055	454.786	362.929	454.129	451.69
19	159.9111349	2.790975814	462.781	357.024	462.08	468.24
20	169.8731232	2.964845311	476.99	352.853	476.235	474.20
21	180	3.141592654	498.161	351.335	497.346	484.67

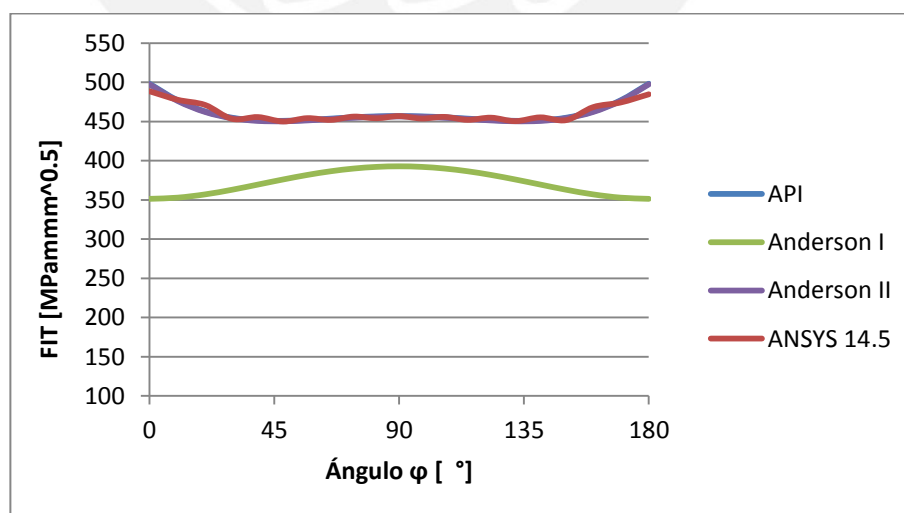


Fig. 2.25. Resultados de la evaluación de la variante a=8 mm - c=10 mm.