

ERRATUM¹

A corrected version of Table 2 is provided. σ_0/σ_y for specimens RTP 13 and RTP 11 are 0.24 and 0.32, respectively.

Table 2 Experimental data for pipelines struck at the one-quarter span by a mass $G = 21.5$ kg; Y indicates a pipeline failure underneath the indenter (mode 1, local) and at the support (mode 2, global)

Specimen	p [bar]	σ_0/σ_y	V_0 [m/s]	E_k [kJ]	W_f [mm]	Failure mode		W_f/H	λ
						1	2		
RTN4	0	0	8.07	0.70	19.0			11.2	7.5
PO7	0	0	8.74	0.82	20.5	Y		12.1	8.8
PO6	0	0	9.85	1.04	23.7	Y		13.9	11.2
RTN6	0	0	10.57	1.20	30.1	Y	Y	17.7	12.9
RTN5	0	0	11.28	1.37	34.3	Y	Y	20.2	14.7
RTP15	66.3	0.16	7.47	0.60	13.1			7.7	6.5
RTP14	66.3	0.16	7.78	0.65	13.9	Y		8.2	7.0
RTP16	66.3	0.16	8.63	0.80	17.4	Y	Y	10.2	8.6
P26	66.3	0.16	9.50	0.97	22.6	Y	Y	13.3	10.4
P15	66.3	0.16	9.85	1.04	25.5	Y	Y	15.0	11.2
P16	66.3	0.16	11.28	1.37	32.0	Y	Y	18.8	14.7
P17	99.3	0.24	7.47	0.60	11.5			6.8	6.5
RTP12	99.3	0.24	7.78	0.65	13.0	Y		7.6	7.0
P25	99.3	0.24	8.07	0.70	12.5	Y		7.4	7.5
P11	99.3	0.24	8.74	0.82	18.7		Y	11.0	8.8
RTP13	99.3	0.24	9.85	1.04	20.8	Y	Y	12.2	11.2
RTP11	132.7	0.32	6.47	0.45	9.7			5.7	4.8
RTP10	132.7	0.32	7.15	0.55	10.6	Y		6.3	5.9
P29	132.7	0.32	7.47	0.60	10.8	Y		6.3	6.5
RTP9	132.7	0.32	7.78	0.65	12.0	Y		7.0	7.0
P28	132.7	0.32	8.07	0.70	14.3		Y	8.4	7.5
P27	132.7	0.32	8.74	0.82	17.1		Y	10.1	8.8

¹ For "Influence of Internal Pressure on the Impact Behavior of Steel Pipelines," by N. Jones and R. S. Birch, published in the November 1996 issue of the JOURNAL OF PRESSURE VESSEL TECHNOLOGY, Vol. 118, pp. 464-471.