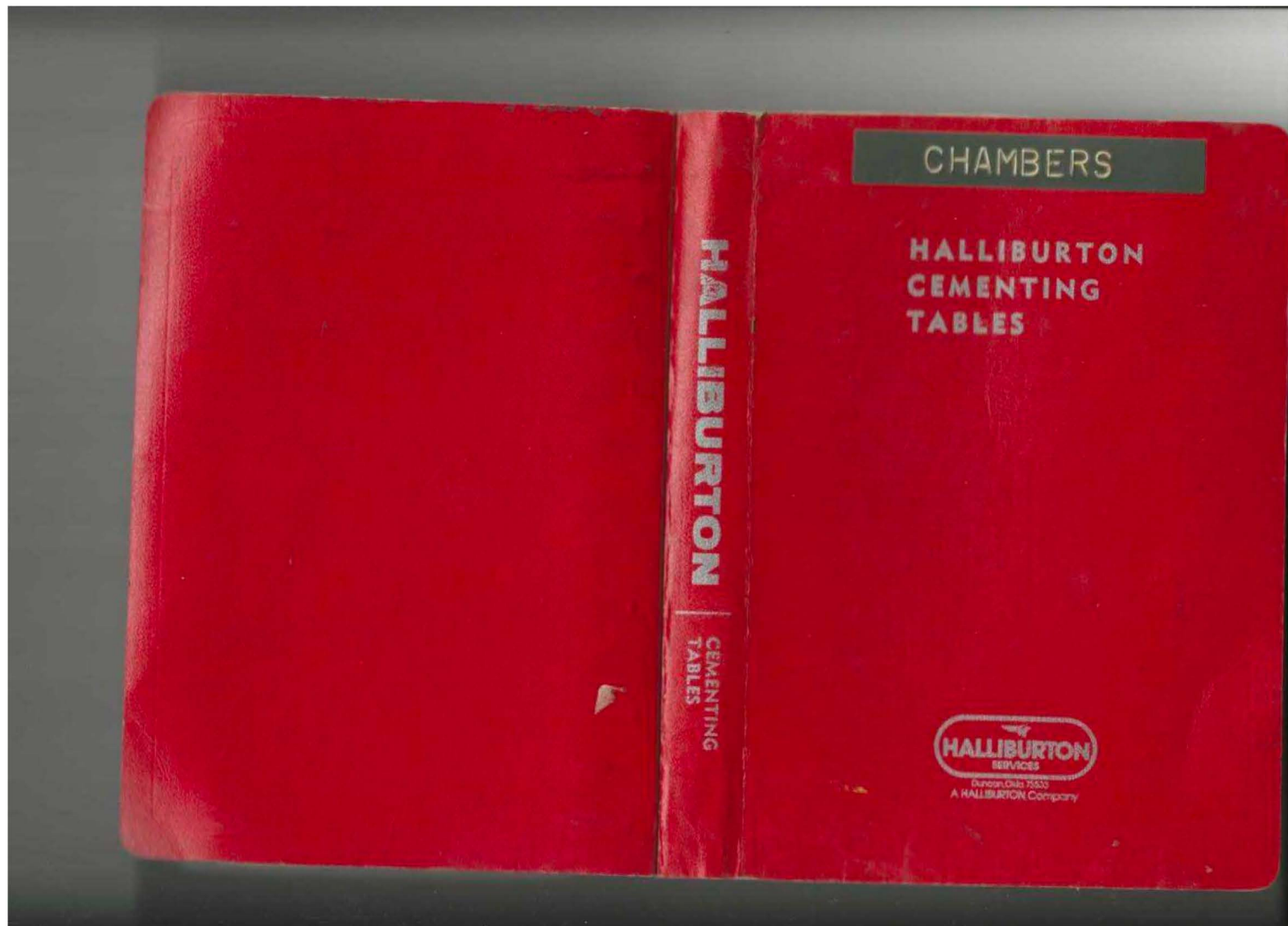




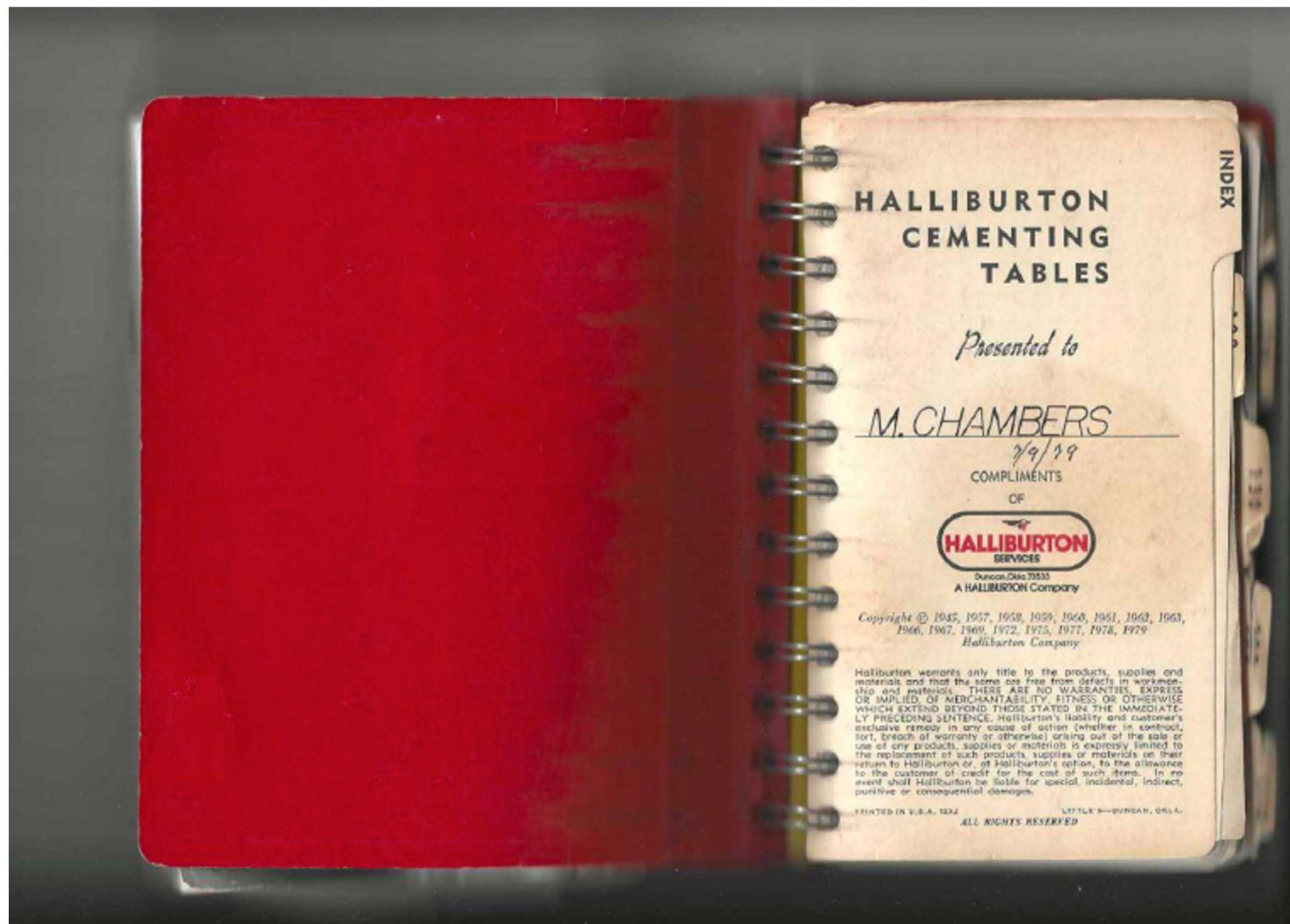


TABLE
DIMENSIONS AND STRENGTHS OF NON-UPSET,

Size O. D. In.	Grade	Wt. Per Ft. With Couplings, Lb.			Inside Diameter In.	Drift Diameter In.
		Non- Upset	Upset	Integral Joint		
1.050	*F-25	—	1.20	—	.824	.730
	H-40	1.14	1.20	—	.824	.730
	J-55	1.14	1.20	1.20	.824	.730
	C-75	1.14	1.20	1.20	.824	.730
	N-80	1.14	1.20	1.20	.824	.730
1.315	*F-25	—	1.80	—	1.049	.955
	H-40	1.70	1.80	1.72	1.049	.955
	J-55	1.70	1.80	1.72	1.049	.955
	*J-55	—	—	2.25	.957	.848
	C-75	1.70	1.80	1.72	1.049	.955
	*C-75	—	—	2.25	.957	.848
	N-80	1.70	1.80	1.72	1.049	.955
	*N-80	—	—	2.25	.957	.848
	*P-105	—	—	2.25	.957	.848
1.660	*F-25	—	2.40	—	1.380	1.286
	H-40	—	—	2.10	1.410	1.286
	H-40	2.30	2.40	2.33	1.380	1.286
	J-55	—	—	2.10	1.410	1.286
	J-55	2.30	2.40	2.33	1.380	1.286
	*J-55	—	—	3.02	1.278	1.184
	C-75	2.30	2.40	2.33	1.380	1.286
	*C-75	—	—	3.02	1.278	1.184
	N-80	2.30	2.40	2.33	1.380	1.286
	*N-80	—	—	3.02	1.278	1.184
	*P-105	—	—	3.02	1.278	1.184
1.900	*F-25	2.75	2.90	—	1.610	1.516
	H-40	—	—	2.40	1.650	1.516
	H-40	2.75	2.90	2.76	1.610	1.516
	J-55	—	—	2.40	1.650	1.516
	J-55	2.75	2.90	2.76	1.610	1.516
	*J-55	—	—	3.64	1.500	1.406
	C-75	2.75	2.90	2.76	1.610	1.516
	*C-75	—	—	3.64	1.500	1.406
	N-80	2.75	2.90	2.76	1.610	1.516
	*N-80	—	—	3.64	1.500	1.406
	*P-105	—	—	3.64	1.500	1.406
2.063	H-40	—	—	3.25	1.751	1.657
	J-55	—	—	3.25	1.751	1.657
	C-75	—	—	3.25	1.751	1.657
	N-80	—	—	3.25	1.751	1.657

*Not API Standard. Shown for information only.

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EXTERNAL UPSET & INTEGRAL JOINT TUBING

Threaded & Coupled		Integral Joint Box O. D. In.	Collapse Resist. psi	Internal Yield Pressure psi	Joint Yield Strength, Lb.**		
O. D. of Cplg., In.	O. D. of Upset In.				Threaded & Coupled	Integral Joint	Integral Joint
Non- Upset	Upset				Non- Upset	Upset	
—	1.660	1.315	—	5,960	4,710	—	8,320
1.313	1.660	1.315	—	7,680	7,530	6,360	13,310
1.313	1.660	1.315	1.327	10,560	10,360	8,740	18,290
1.313	1.660	1.315	1.327	14,410	14,120	11,920	24,950
1.313	1.660	1.315	1.327	15,370	15,070	12,710	26,610
—	1.900	1.469	—	5,540	4,430	—	12,350
1.660	1.900	1.469	1.550	7,270	7,080	10,960	19,760
1.660	1.900	1.469	1.550	10,000	9,730	15,060	27,160
—	—	—	1.600	12,940	13,100	—	35,000
1.660	1.900	1.469	1.550	13,640	13,270	20,540	37,040
—	—	—	1.600	17,640	17,870	—	48,000
1.660	1.900	1.469	1.550	14,550	14,160	21,910	39,510
—	—	—	1.600	18,820	19,060	—	51,000
—	—	—	1.600	24,700	25,010	—	67,000
—	2.200	1.812	—	4,440	3,690	—	16,710
—	—	—	1.880	5,570	5,270	—	22,180
2.054	2.200	1.812	1.880	6,180	5,900	15,530	26,740
—	—	—	1.880	7,660	7,250	—	30,500
2.054	2.200	1.812	1.880	8,490	8,120	21,360	36,770
—	—	—	1.927	11,200	11,070	—	48,000
2.054	2.200	1.812	1.880	11,580	11,070	29,120	50,140
—	—	—	1.927	15,270	15,100	—	66,000
2.054	2.200	1.812	1.880	12,360	11,810	31,060	53,480
—	—	—	1.927	16,290	16,110	—	71,000
—	—	—	1.927	21,380	21,140	—	93,000
2.200	2.500	2.094	—	3,920	3,340	11,930	19,990
—	—	—	2.110	4,920	4,610	—	26,890
2.200	2.500	2.094	2.110	5,640	5,340	19,090	31,980
—	—	—	2.110	6,640	6,330	—	36,970
2.200	2.500	2.094	2.110	7,750	7,350	26,250	43,970
—	—	—	2.162	10,360	10,130	—	57,000
2.200	2.500	2.094	2.110	10,570	10,020	35,800	59,960
—	—	—	2.162	14,130	13,820	—	80,000
2.200	2.500	2.094	2.110	11,280	10,680	38,180	63,960
—	—	—	2.162	15,070	14,740	—	84,000
—	—	—	2.162	19,780	19,340	—	110,000
—	—	—	2.325	5,590	5,290	—	35,690
—	—	—	2.325	7,690	7,280	—	49,070
—	—	—	2.325	10,480	9,920	—	66,910
—	—	—	2.325	11,180	10,590	—	71,370

**Collapse, Internal Yield and Joint Yield Strengths are minimum values with no safety factor, reproduced by permission from API Bul. 5C2, Bulletin on Performance Properties of Casing and Tubing.