

**Annex E**  
(normative)

**Tables in USC units**

**Table E.1 — ISO/API casing list**  
Sizes, masses, wall thickness, grade and applicable end-finish

Labels <sup>a</sup>		Outside diameter <i>D</i> in	Nominal linear mass <sup>b, c</sup> T&C lb/ft	Wall thickness <i>t</i> in	Type of end-finish							
1	2				H40	J55 K55	M65	L80 C95	N80 Type 1,Q	C90 T95	P110	Q125
1	2	3	4	5	6	7	8	9	10	11	12	13
4-1/2	9.50	4.500	9.50	0.205	PS	PS	PS	—	—	—	—	—
4-1/2	10.50	4.500	10.50	0.224	—	PSB	PSB	—	—	—	—	—
4-1/2	11.60	4.500	11.60	0.250	—	PSLB	PLB	PLB	PLB	PLB	PLB	—
4-1/2	13.50	4.500	13.50	0.290	—	—	PLB	PLB	PLB	PLB	PLB	—
4-1/2	15.10	4.500	15.10	0.337	—	—	—	—	—	—	PLB	PLB
5	11.50	5.000	11.50	0.220	—	PS	PS	—	—	—	—	—
5	13.00	5.000	13.00	0.253	—	PSLB	PSLB	—	—	—	—	—
5	15.00	5.000	15.00	0.296	—	PSLBE	PLB	PLBE	PLBE	PLBE	PLBE	—
5	18.00	5.000	18.00	0.362	—	—	PLB	PLBE	PLBE	PLBE	PLBE	PLBE
5	21.40	5.000	21.40	0.437	—	—	PLB	PLB	PLB	PLB	PLB	PLB
5	23.20	5.000	23.20	0.478	—	—	—	PLB	PLB	PLB	PLB	PLB
5	24.10	5.000	24.10	0.500	—	—	—	PLB	PLB	PLB	PLB	PLB
5-1/2	14.00	5.500	14.00	0.244	PS	PS	PS	—	—	—	—	—
5-1/2	15.50	5.500	15.50	0.275	—	PSLBE	PSLB	—	—	—	—	—
5-1/2	17.00	5.500	17.00	0.304	—	PSLBE	PLB	PLBE	PLBE	PLBE	PLBE	—
5-1/2	20.00	5.500	20.00	0.361	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
5-1/2	23.00	5.500	23.00	0.415	—	—	PLB	PLBE	PLBE	PLBE	PLBE	PLBE
5-1/2	26.80	5.500	26.80	0.500	—	—	—	—	—	P	—	—
5-1/2	29.70	5.500	29.70	0.562	—	—	—	—	—	P	—	—
5-1/2	32.60	5.500	32.60	0.625	—	—	—	—	—	P	—	—
5-1/2	35.30	5.500	35.30	0.687	—	—	—	—	—	P	—	—
5-1/2	38.00	5.500	38.00	0.750	—	—	—	—	—	P	—	—
5-1/2	40.50	5.500	40.50	0.812	—	—	—	—	—	P	—	—
5-1/2	43.10	5.500	43.10	0.875	—	—	—	—	—	P	—	—
6-5/8	20.00	6.625	20.00	0.288	PS	PSLB	PSLB	—	—	—	—	—
6-5/8	24.00	6.625	24.00	0.352	—	PSLBE	PLB	PLBE	PLBE	PLBE	PLBE	—
6-5/8	28.00	6.625	28.00	0.417	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
6-5/8	32.00	6.625	32.00	0.475	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
7	17.00	7.000	17.00	0.231	PS	—	—	—	—	—	—	—
7	20.00	7.000	20.00	0.272	PS	PS	PS	—	—	—	—	—
7	23.00	7.000	23.00	0.317	—	PSLBE	PLB	PLBE	PLBE	PLBE	—	—
7	26.00	7.000	26.00	0.362	—	PSLBE	PLB	PLBE	PLBE	PLBE	PLBE	—
7	29.00	7.000	29.00	0.408	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
7	32.00	7.000	32.00	0.453	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
7	35.00	7.000	35.00	0.498	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
7	38.00	7.000	38.00	0.540	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
7	42.70	7.000	42.70	0.625	—	—	—	—	—	P	—	—
7	46.40	7.000	46.40	0.687	—	—	—	—	—	P	—	—
7	50.10	7.000	50.10	0.750	—	—	—	—	—	P	—	—
7	53.60	7.000	53.60	0.812	—	—	—	—	—	P	—	—
7	57.10	7.000	57.10	0.875	—	—	—	—	—	P	—	—

See notes at end of table.

Table E.1 (continued)

Labels <sup>a</sup>		Outside diameter <i>D</i> in	Nominal linear mass <sup>b, c</sup> T&C lb/ft	Wall thickness <i>t</i> in	Type of end-finish							
1	2				H40	J55 K55	M65	L80 C95	N80 Type 1,Q	C90 T95	P110	Q125
1	2	3	4	5	6	7	8	9	10	11	12	13
7-5/8	24.00	7.625	24.00	0.300	PS	—	—	—	—	—	—	—
7-5/8	26.20	7.625	26.40	0.328	—	PSLBE	PSLB	PLBE	PLBE	PLBE	—	—
7-5/8	29.70	7.625	29.70	0.375	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
7-5/8	33.70	7.625	33.70	0.430	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
7-5/8	39.00	7.625	39.00	0.500	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
7-5/8	42.80	7.625	42.80	0.562	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	45.30	7.625	45.30	0.595	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	47.10	7.625	47.10	0.625	—	—	—	PLB	PLB	PLB	PLB	PLB
7-5/8	51.20	7.625	51.20	0.687	—	—	—	—	—	P	—	—
7-5/8	55.30	7.625	55.30	0.750	—	—	—	—	—	P	—	—
7-3/4	46.10	7.750	46.10	0.595	—	—	—	P	P	P	P	P
8-5/8	24.00	8.625	24.00	0.264	—	PS	PS	—	—	—	—	—
8-5/8	28.00	8.625	28.00	0.304	PS	—	PS	—	—	—	—	—
8-5/8	32.00	8.625	32.00	0.352	PS	PSLBE	PSLB	—	—	—	—	—
8-5/8	36.00	8.625	36.00	0.400	—	PSLBE	PSLB	PLBE	PLBE	PLBE	—	—
8-5/8	40.00	8.625	40.00	0.450	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
8-5/8	44.00	8.625	44.00	0.500	—	—	—	PLBE	PLBE	PLBE	PLBE	—
8-5/8	49.00	8.625	49.00	0.557	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
9-5/8	32.30	9.625	32.30	0.312	PS	—	—	—	—	—	—	—
9-5/8	36.00	9.625	36.00	0.352	PS	PSLB	PSLB	—	—	—	—	—
9-5/8	40.00	9.625	40.00	0.395	—	PSLBE	PSLB	PLBE	PLBE	PLBE	—	—
9-5/8	43.50	9.625	43.50	0.435	—	—	PLB	PLBE	PLBE	PLBE	PLBE	—
9-5/8	47.00	9.625	47.00	0.472	—	—	PLB	PLBE	PLBE	PLBE	PLBE	PLBE
9-5/8	53.50	9.625	53.50	0.545	—	—	—	PLBE	PLBE	PLBE	PLBE	PLBE
9-5/8	58.40	9.625	58.40	0.595	—	—	—	PLB	PLB	PLB	PLB	PLB
9-5/8	59.40	9.625	59.40	0.609	—	—	—	—	—	P	—	—
9-5/8	64.90	9.625	64.90	0.672	—	—	—	—	—	P	—	—
9-5/8	70.30	9.625	70.30	0.734	—	—	—	—	—	P	—	—
9-5/8	75.60	9.625	75.60	0.797	—	—	—	—	—	P	—	—
10-3/4	32.75	10.750	32.75	0.279	PS	—	—	—	—	—	—	—
10-3/4	40.50	10.750	40.50	0.350	PS	PSB	PSB	—	—	—	—	—
10-3/4	45.50	10.750	45.50	0.400	—	PSBE	PSB	—	—	—	—	—
10-3/4	51.00	10.750	51.00	0.450	—	PSBE	PSB	PSBE	PSBE	PSBE	PSBE	—
10-3/4	55.50	10.750	55.50	0.495	—	—	PSB	PSBE	PSBE	PSBE	PSBE	—
10-3/4	60.70	10.750	60.70	0.545	—	—	—	—	—	PSBE	PSBE	PSBE
10-3/4	65.70	10.750	65.70	0.595	—	—	—	—	—	PSB	PSB	PSB
10-3/4	73.20	10.750	73.20	0.672	—	—	—	—	—	P	—	—
10-3/4	79.20	10.750	79.20	0.734	—	—	—	—	—	P	—	—
10-3/4	85.30	10.750	85.30	0.797	—	—	—	—	—	P	—	—
11-3/4	42.00	11.750	42.00	0.333	PS	—	—	—	—	—	—	—
11-3/4	47.00	11.750	47.00	0.375	—	PSB	PSB	—	—	—	—	—
11-3/4	54.00	11.750	54.00	0.435	—	PSB	PSB	—	—	—	—	—
11-3/4	60.00	11.750	60.00	0.489	—	PSB	PSB	PSB	PSB	PSB	PSB	PSB
11-3/4	65.00	11.750	65.00	0.534	—	—	—	P	P	P	P	P
11-3/4	71.00	11.750	71.00	0.582	—	—	—	P	P	P	P	P
13-3/8	48.00	13.375	48.00	0.330	PS	—	—	—	—	—	—	—
13-3/8	54.50	13.375	54.50	0.380	—	PSB	PSB	—	—	—	—	—
13-3/8	61.00	13.375	61.00	0.430	—	PSB	PSB	—	—	—	—	—
13-3/8	68.00	13.375	68.00	0.480	—	PSB	PSB	PSB	PSB	PSB	PSB	—
13-3/8	72.00	13.375	72.00	0.514	—	—	—	PSB	PSB	PSB	PSB	PSB

See notes at end of table.

Table E.1 (continued)

Labels <sup>a</sup>		Outside diameter <i>D</i> in	Nominal linear mass <sup>b, c</sup> T&C lb/ft	Wall thickness <i>t</i> in	Type of end-finish							
1	2				H40	J55 K55	M65	L80 C95	N80 Type 1,Q	C90 T95	P110	Q125
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>
16	65.00	16.000	65.00	0.375	PS	—	—	—	—	—	—	—
16	75.00	16.000	75.00	0.438	—	PSB	PSB	—	—	—	—	—
16	84.00	16.000	84.00	0.495	—	PSB	PSB	—	—	—	—	—
16	109.00	16.000	109.00	0.656	—	P	—	P	P	—	P	P
18-5/8	87.50	18.625	87.50	0.435	PS	PSB	PSB	—	—	—	—	—
20	94.00	20.000	94.00	0.438	PSL	PSLB	PSLB	—	—	—	—	—
20	106.50	20.000	106.50	0.500	—	PSLB	PSLB	—	—	—	—	—
20	133.00	20.000	133.00	0.635	—	PSLB	—	—	—	—	—	—

P = Plain end, S = Short round thread, L = Long round thread, B = Buttress thread, E = Extreme-line.

<sup>a</sup> Labels are for information and assistance in ordering.

<sup>b</sup> Nominal linear masses, threaded and coupled (col. 2) are shown for information only.

<sup>c</sup> The densities of martensitic chromium steels (L80 types 9Cr and 13Cr) are different from carbon steels. The masses shown are therefore not accurate for martensitic chromium steels. A mass correction factor of 0,989 may be used.

Table E.2 — ISO/API plain-end casing liner list — Grade J55

Labels		Size Outside diameter <i>D</i> in	Plain-end linear mass lb/ft	Wall thickness <i>t</i> in
1	2			
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
3-1/2	9.91	3.500	9.91	0.289
4	11.34	4.000	11.34	0.286
4-1/2	13.04	4.500	13.04	0.290
5	17.93	5.000	17.93	0.362
5-1/2	19.81	5.500	19.81	0.361
6-5/8	27.65	6.625	27.65	0.417

**Table E.3 — ISO/API tubing list**  
**Sizes, masses, wall thickness, grade and applicable end-finish**

Labels				Outside diameter <i>D</i> in	Nominal linear masses <sup>a, b</sup>			Wall thickness <i>t</i> in	Type of end-finish <sup>c</sup>						
1	2				Non-upset T&C	Ext. upset T&C	Integ. joint		H40	J55	L80	N80 Type1, Q	C90	T95	P110
		NU T&C	EU T&C	IJ		lb/ft	lb/ft	lb/ft							
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1.050	1.14	1.20	—	1.050	1.14	1.20	—	0.113	PNU	PNU	PNU	PNU	PNU	PNU	—
1.050	1.48	1.54	—	1.050	1.48	1.54	—	0.154	PU	PU	PU	PU	PU	PU	PU
1.315	1.70	1.80	1.72	1.315	1.70	1.80	1.72	0.133	PNU	PNU	PNU	PNU	PNU	PNU	—
1.315	2.19	2.24	—	1.315	2.19	2.24	—	0.179	PU	PU	PU	PU	PU	PU	PU
1.660	2.09	—	2.10	1.660	—	—	2.10	0.125	PI	PI	—	—	—	—	—
1.660	2.30	2.40	2.33	1.660	2.30	2.40	2.33	0.140	PNU	PNU	PNU	PNU	PNU	PNU	—
1.660	3.03	3.07	—	1.660	3.03	3.07	—	0.191	PU	PU	PU	PU	PU	PU	PU
1.900	2.40	—	2.40	1.900	—	—	2.40	0.125	PI	PI	—	—	—	—	—
1.900	2.75	2.90	2.76	1.900	2.75	2.90	2.76	0.145	PNU	PNU	PNU	PNU	PNU	PNU	—
1.900	3.65	3.73	—	1.900	3.65	3.73	—	0.200	PU	PU	PU	PU	PU	PU	PU
1.900	4.42	—	—	1.900	4.42	—	—	0.250	—	—	P	—	P	P	—
1.900	5.15	—	—	1.900	5.15	—	—	0.300	—	—	P	—	P	P	—
2.063	3.24	—	3.25	2.063	—	—	3.25	0.156	PI	PI	PI	PI	PI	PI	—
2.063	4.50	—	—	2.063	4.50	—	—	0.225	P	P	P	P	P	P	P
2-3/8	4.00	—	—	2.375	4.00	—	—	0.167	PN	PN	PN	PN	PN	PN	—
2-3/8	4.60	4.70	—	2.375	4.60	4.70	—	0.190	PNU	PNU	PNU	PNU	PNU	PNU	PNU
2-3/8	5.80	5.95	—	2.375	5.80	5.95	—	0.254	—	—	PNU	PNU	PNU	PNU	PNU
2-3/8	6.60	—	—	2.375	6.60	—	—	0.295	—	—	P	—	P	P	—
2-3/8	7.35	7.45	—	2.375	7.35	7.45	—	0.336	—	—	PU	—	PU	PU	—
2-7/8	6.40	6.50	—	2.875	6.40	6.50	—	0.217	PNU	PNU	PNU	PNU	PNU	PNU	PNU
2-7/8	7.80	7.90	—	2.875	7.80	7.90	—	0.276	—	—	PNU	PNU	PNU	PNU	PNU
2-7/8	8.60	8.70	—	2.875	8.60	8.70	—	0.308	—	—	PNU	PNU	PNU	PNU	PNU
2-7/8	9.35	9.45	—	2.875	9.35	9.45	—	0.340	—	—	PU	—	PU	PU	—
2-7/8	10.50	—	—	2.875	10.50	—	—	0.392	—	—	P	—	P	P	—
2-7/8	11.50	—	—	2.875	11.50	—	—	0.440	—	—	P	—	P	P	—
3-1/2	7.70	—	—	3.500	7.70	—	—	0.216	PN	PN	PN	PN	PN	PN	—
3-1/2	9.20	9.30	—	3.500	9.20	9.30	—	0.254	PNU	PNU	PNU	PNU	PNU	PNU	PNU
3-1/2	10.20	—	—	3.500	10.20	—	—	0.289	PN	PN	PN	PN	PN	PN	—
3-1/2	12.70	12.95	—	3.500	12.70	12.95	—	0.375	—	—	PNU	PNU	PNU	PNU	PNU
3-1/2	14.30	—	—	3.500	14.30	—	—	0.430	—	—	P	—	P	P	—
3-1/2	15.50	—	—	3.500	15.50	—	—	0.476	—	—	P	—	P	P	—
3-1/2	17.00	—	—	3.500	17.00	—	—	0.530	—	—	P	—	P	P	—
4	9.50	—	—	4.000	9.50	—	—	0.226	PN	PN	PN	PN	PN	PN	—
4	10.70	11.00	—	4.000	—	11.00	—	0.262	PU	PU	PU	PU	PU	PU	—
4	13.20	—	—	4.000	13.20	—	—	0.330	—	—	P	—	P	P	—
4	16.10	—	—	4.000	16.10	—	—	0.415	—	—	P	—	P	P	—
4	18.90	—	—	4.000	18.90	—	—	0.500	—	—	P	—	P	P	—
4	22.20	—	—	4.000	22.20	—	—	0.610	—	—	P	—	P	P	—
4-1/2	12.60	12.75	—	4.500	12.60	12.75	—	0.271	PNU	PNU	PNU	PNU	PNU	PNU	—
4-1/2	15.20	—	—	4.500	15.20	—	—	0.337	—	—	P	—	P	P	—
4-1/2	17.00	—	—	4.500	17.00	—	—	0.380	—	—	P	—	P	P	—
4-1/2	18.90	—	—	4.500	18.90	—	—	0.430	—	—	P	—	P	P	—
4-1/2	21.50	—	—	4.500	21.50	—	—	0.500	—	—	P	—	P	P	—
4-1/2	23.70	—	—	4.500	23.70	—	—	0.560	—	—	P	—	P	P	—
4-1/2	26.10	—	—	4.500	26.10	—	—	0.630	—	—	P	—	P	P	—

P = Plain end, N = Non-upset threaded and coupled, U = External upset threaded and coupled, I = Integral joint.

<sup>a</sup> Nominal linear masses, threads and coupling (col. 2, 3, 4) are shown for information only.

<sup>b</sup> The densities of martensitic chromium steels (L80 types 9Cr and 13Cr) are different from carbon steels. The masses shown are therefore not accurate for martensitic chromium steels. A mass correction factor of 0.989 may be used.

<sup>c</sup> Non-upset tubing is available with regular couplings or special bevel couplings. External-upset tubing is available with regular, special-bevel, or special-clearance couplings.