

Transformed

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION
R 64

STEEL TUBES

OUTSIDE DIAMETERS

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STEEL TUBES

OUTSIDE DIAMETERS

1. SCOPE

This ISO Recommendation specifies the outside diameters, in millimetres and in inches, of steel tubes.

2. OUTSIDE DIAMETERS

The dimensions in millimetres and in inches, given in the tables, are considered to be "corresponding values" although some of them are not exact equivalents. In all cases, however, the dimensions ensure practical interchangeability.

TABLE 1 - Outside diameters

Corresponding values		Corresponding values	
millimetres	inches	millimetres	inches
10.2	0.402	141.3	5.563
12	0.472	152.4	6.000
13.5	0.531	159	6.250
16	0.625	165.1	6.500
17.2	0.677	168.3	6.625
19	0.750	177.8	7.000
20	0.787	193.7	7.625
21.3	0.840	219.1	8.625
25	—	244.5	9.625
25.4	1.000	267	10.500
26.9	1.059	273	10.750
30	1.181	298.5	11.750
31.8	1.250	323.9	12.750
33.7	1.327	355.6	14.000
38	1.500	368	14.500
42.4	1.669	406.4	16.000
44.5	1.750	419	16.5
48.3	1.900	457	18.0
51	2.000	508	20.0
54	2.125	559	22.0
57	2.250	610	24.0
60.3	2.375	660	26.0
63.5	2.500	711	28.0
70	2.750	762	30.0
73	2.875	813	32.0
76.1	3.000	864	34.0
82.5	3.250	914	36.0
88.9	3.500	1016	40.0
101.6	4.000	1220	48.0
108	4.250	1420	55.9
114.3	4.500	1620	63.8
127	5.000	1820	71.7
133	5.250	2020	79.5
139.7	5.500	2220	87.4

NOTE. — The tubes mentioned below have served as a basis for the setting up of the series of outside diameters :

TABLE 2 — Tubes which may be screwed as specified in ISO Recommendation R 7*

Corresponding values	
millimetres	inches
10.2	$\frac{13}{32}$
13.5	$\frac{17}{32}$
17.2	$\frac{11}{16}$
21.3	$\frac{27}{32}$
26.9	$1\frac{1}{16}$
33.7	$1\frac{11}{32}$
42.4	$1\frac{11}{16}$
48.3	$1\frac{29}{32}$
60.3	$2\frac{3}{8}$
76.1	3
88.9	$3\frac{1}{2}$
101.6	4
114.3	$4\frac{1}{2}$
139.7	$5\frac{1}{2}$

TABLE 3 — Tubes which may be screwed as specified in the standards ASA B2.1-1945**, API 5A-1957 and API 5L-1957***.

Corresponding values	
millimetres	inches
168.3	$6\frac{5}{8}$
193.7	$7\frac{5}{8}$
219.1	$8\frac{5}{8}$
244.5	$9\frac{5}{8}$
273	$10\frac{3}{4}$
323.9	$12\frac{3}{4}$
355.6	14
406.4	16

* ISO Recommendation R 7, *Pipe threads for gas list tubes and screwed fittings where pressure-tight joints are made on the threads (1/8 inch to 6 inches).*

** American National Standards Institute, B2.1-1945, *Pipe threads.*

*** American Petroleum Institute, API 5A-1957, *Specification for casing, tubing and drill pipe*, and API 5L-1957, *Specification for line pipe.*