DIN 2458 WELDED STEEL PIPES AND TUBES

1. Scope

This Standard applies to the dimensions and the conventional masses per unit length of welded steel pipes a according to the technical conditions of delivery as stipulated in DIN 1628 Part 1 to part 4, DIN 17172 and DIN 17177.

it also applies to other technical conditions of conditions of delivery in which reference to this Standard is made.

It defines that sector, selected from DIN ISO 4200, within which welded steel pipes are standardized.

It does not apply to precision steel tubes according to DIN 2393 and DIN 2394.

2. Other relevant standards

DIN ISO 4200 Seamless and welded steel tubes; general table of dimensions and conventional masses per unit length

DIN 1626 Part 1 Welded steel pipes in unalloyed and low alloy steels for supply purposes, process plant and tanks; general specifications, survey, recommendations for use

DIN 1626 Part 2 Welded steel pipes in unalloyed and low alloy steels for supply purposes, process plant and tanks; pipes for general use (commercial quality), technical conditions of delivery

DIN 1626 Part 3 Welded steel pipes in unalloyed and low alloy steels for supply purposes, process plant and tanks; pipes with quality specifications, technical conditions of delivery

DIN 1626 Part 4 Welded steel pipes in unalloyed and low alloy steels for supply purposes, process plant and tanks; specifications, technical conditions of delivery

DIN 17 172 Steel pipes for long distance pipe lines for combustible liquids and gases; technical conditions of delivery

DIN 17 177 Electrically pressure-welded tubes of heat-resistant steels; technical conditions of delivery

3. Designation, order code

Designation of a welded steel pipe made of St 37.2, having an outside diameter of pipe 273mm and a wall thickness of 6.3mm :

Pipe DIN 2458 - St 37-2 - 273 X 6.3

Welded Steel Tubing and pipe-Corresponding to DIN 2458

Outside	Standar	d Wall	Weight	Other	Wall 1	Thickne	esses i	nm/in																			
diameter	Thickne	ss 1)	kg/m	(Weig	eight kg/m)																						
mm		in.	kg/m	1.8	2	2.3	2.6	2.9	3.2	3.6	4	4.5	5	5.6	6.3	7.1	8	8.8	10	11	12.5	14.2	16	17.5	20	22.2	25
	mm			0.072	0.080	0.092	0.104	0.116	0.128	0.144	0.160	0.176	0.192	0.219	0.250	0.281	0.312	0.344	0.394	0.438	0.500	0.562	0.625	0.688	0.787	0.875	1
10.2 *)	1.6	0.064	0.344																								
13.5 *)	1.8	0.072	0.522																								
16	1.8	0.072	0.632																								

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17.2 *)	1.8	0.072	0.688												
21.3 *)	2	0.080	0.962												
25	2	0.080	1.13												
26.9 *)	2	0.080	1.24												
30	2	0.080	1.39												
31.8	2	0.080	1.48												
33.7 *)	2	0.080	1.57												
38	2	0.080	1.79												
42.4 *)	2	0.080	2.01												
44.5	2	0.080	2.11												
48.3 *)	2.3	0.092	2.63												
51	2.3	0.092	2.78												
57	2.3	0.092	3.13												
60.3 *)	2.3	0.092	3.31												
63.5	2.3	0.092	3.50												
70	2.6	0.104	4.35												
76.1 *)	2.6	0.104	4.75												
88.9 *)	2.9	0.116	6.20												
101.6 *)	2.9	0.116	7.11												
108	2.9	0.116	7.57												
114.3 *)	3.2	0.128	8.83												
127	3.2	0.128	9.84												
133	3.6	0.144	11.6												
139.7 *)	3.6	0.144	12.2												
152.4	4	0.160	14.7												
159	4	0.160	15.4												
165.1	4	0.160	16.0												
168.3 *)	4	0.160	16.3												

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	4.5	0.176	23.7													 		
273 *)	5	0.192	33.0															
323.9 *)	5.6	0.219	43.8															
355.6 *)	5.6	0.219	48.2															
406.4 *)	6.3	0.250	62.4															
419	6.3	0.250	64.3															
457.2	6.3	0.250	70.3															
508 *)	6.3	0.250	78.2															
559	6.3	0.250	86.1															
610 *)	6.3	0.250	94.1															
660	7.1	0.281	115															
711 *)	7.1	0.281	124															
762	8	0.312	148															
813 *)	8	0.312	158															
864	8.8	0.344	185															
914 *)	10	0.394	223															
1016 *)	10	0.394	248															
1120	11	0.438	302															
1220	12.5	0.500	375															
1320	12.5	0.500	406															
1420	14.2	0.562	493															
1520	14.2	0.562	528															
1620	16	0.625	630															
1720	17.5	0.688	734															
1820	17.5	0.688	777															
1920	20	0.787	937															
2020	20	0.787	986															
Sizes not end	closed w	ithin the b	old lines	are no	ot cove	ered b	y DIN	2458.		 		 						
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* Up to 139.7 mm incl, these outside diameters are in conformity with threaded pipe to ISO Recommendation R 7; from 168.3 mm in conformity with threaded pipe to ANSI B 2.1, API Stds

5 A, 5 L and 5 LX (without threads).

1) Usually, standard sizes are available from stock, In general, welded tubing and pipe are only manufactured in those sizes for which weights are indicated. Other sizes upon request.

English units are conversions of the metric ones.

2) Minimum wall thickness see DIN 2440.