

Seamless tubes suitable for screwing

STANDARD	GRADES	APPLICATION
ČSN 42 5710	11 353.0, 11 353.1	"Steel tubes suitable for screwing – medium series"
ČSN 42 5711	11 353.0, 11 353.1	"Steel tubes suitable for screwing – heavy series"
DIN 2440	St 33	"Steel tubes, medium weight suitable for screwing"
DIN 2441	St 33	"Steel tubes, heavy weight suitable for screwing"
NF A 49–115	TU 34-1	"Hot-rolled seamless steel tubes suitable for threading"
EN 10255	S195T	"Non-alloyed steel tubes suitable for screwing"

Dimensional range

According to ČSN 42 5710, DIN 2440, ČSN 42 5711, DIN 2441

Size		Outside diameter mm	Wall thickness / weight			
DN	NPS		ČSN 42 5710, DIN 2440		ČSN 42 5711, DIN 2441	
			mm	Kg/m	mm	Kg/m
15	1/2	21,3	2,65	1,22	3,25	1,45
20	3/4	26,9	2,65	1,58	3,25	1,90
25	1	33,7	3,25	2,44	4,05	2,96
32	1 1/4	42,4	3,25	3,14	4,05	3,83
40	1 1/2	48,3	3,25	3,61	4,05	4,42
50	2	60,3	3,65	5,10	4,50	6,19
65	2 1/2	76,1	3,65	6,51	4,50	7,95
80	3	88,9	4,05	8,47	4,85	10,05
90	3 1/2	101,6	4,05	9,72	4,85	11,57
100	4	114,3	4,50	12,19	5,40	14,50
125	5	139,7	4,85	16,13	5,40	17,89

According to NF A 49–115, EN 10255

Size		Outside diameter mm	Wall thickness / weight			
DN	NPS		Middle series		Heavy series	
			mm	Kg/m	mm	Kg/m
15	1/2	21,3	2,6	1,21	3,2	1,43
20	3/4	26,9	2,6	1,56	3,2	1,87
25	1	33,7	3,2	2,41	4,0	2,93
32	1 1/4	42,4	3,2	3,09	4,0	3,79
40	1 1/2	48,3	3,2	3,56	4,0	4,37
50	2	60,3	3,6	5,03	4,5	6,19
65	2 1/2	76,1	3,6	6,44	4,5	7,95
80	3	88,9	4,0	8,38	4,9 (5,0)	10,15 (10,35)
90	3 1/2	101,6	4,0	9,63	4,9	11,69
100	4	114,3	4,5	12,19	5,4	14,50
125	5	139,7	4,5 (5,0)	15,00 (16,61)	5,4	17,89

The data in brackets are sizes according to EN 10255

According to EN 10255 – nonstandart series L a L1

Series L	Series L1	Size		Wall thickness (mm)	weight Kg/m
DN	DN	(")	Outside diameter (mm)		
15	15	1/2	21,3	2,3	1,08
20	20	3/4	26,9	2,3	1,40
25	25	1	33,7	2,9	2,20
32	32	1 1/4	42,4	2,9	2,82
40	40	1 1/2	48,3	2,9	3,25
50	50	2	60,3	3,2	4,51
-	65	2 1/2	76,1	3,2	5,75
-	80	3	88,9	3,6	7,57
-	100	4	114,3	4,0	10,88
125	-	5	139,7	4,5	15,00

Note: Size marked „-“ is not produced or there is not defined size in mentioned series.

Lengths

Plain-end tubes and pipes are supplied from carbon or high-grade carbon steel in the following lengths:

Production length – in a range of 4 – 14 m, lengths selected by the producer by technological possibilities
Set length – nominal length selected by the customer from the range of production lengths with a tolerance of ± 500 mm

Exact length – nominal length selected by the customer following agreement with the producer.

Max. length of tubes: < Ø 60.3 mm 9.5 m
≥ Ø 60.3 mm 12.5 m by technological possibility – see tables of sizes

Ends of tubes and pipes

The tubes and pipes are standardly supplied with the square cut and de-burred ends. Other types of pipe end finish can be supplied after agreement with the producer (e.g. bevelled ends).

Pipes with WT ≤ 3,18mm are supplied only with square cut ends. Pipes with WT > 3,18mm can be supplied either with perpendicularly cut off ends or with beveled ends at an angle of 30° (-0/+5°) as per API Spec 5L, or ISO 3183, or ASTM A 106, or according to other standards (e.g. ASME B16.25, DIN 2559) with prior agreement.

Groove for Victaulic connection

Application for high universal connection with fast and simple installation of pipeline
Pipes can be produced in grades acc. to customer requirement.