



# Hydraulic tubing



# CARBON AND STAINLESS STEEL TUBING

## Description

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High precision of NBK seamless steel tubings according DIN2391, EN-10305-1.

NBK Normalized. After the final cold drawing tubes are normalized in a protective atmosphere.

High accuracy and inner cleanness.

Good performance, resistant to rust and corrosion.

Choice of finishing: Black phosphated and zinc plated finishes.

Zinc plating colour finishes, white zinc, dark green, yellow zinc.

Delivered in 3m or 6m length with protection caps at the ends.



### Cold drawn seamless tube. Series NBK

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#### DIN Series NBK

- Standard: DIN2391-94/C, EN10305-1, EN10305-4, SAE J524, GB3639
- Steel Grade: St35, St37.4, St45, St52.4, E235, E255, E355
- Surface Treatment: Black phosphate and zinc plated.

### Cold drawn seamless tube. Stainless steel

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#### Stainless Steel

- Standard: GB/T14976, ASTM A269, DOM17456, DIN17458, EN10216-5
- Steel Grade: 304, 304L, 316, 316 L

#### Main Features:

Clean inside wall. No deformation in cold bending. No cracking after flaring and flattening. Admit complicated geometrical forms. Good antirust and anticorrosion coat in zinc plated outer surfaces.

#### Main Application:

Hydraulic system circuits.

#### SIZES:

##### Metric:

- Outer diameter: From 3mm up to 70 mm
- Wall thickness up to 8mm
- Inner diameter from 2 to 54mm
- Length: 3m and 6m

##### Inches:

- From 3/16" up to 1 1/4" outer diameter
- Wall thickness up to 0.120 in
- Inner diameter from 0.130 to 1.010 in
- Lengths 3m and 6m

**Inch sizes:**

INCHES											
TUBE OD	3/16"	1/4"	5/16"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"
WALL THICKNESS	0,028	0,035	0,035	0,035	0,048	0,065	0,035	0,049	0,065	0,049	0,065
TUBE ID	0,132	0,180	0,242	0,305	0,277	0,245	0,430	0,402	0,370	0,527	0,495

INCHES											
TUBE OD	5/8"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1 1/4"	-
WALL THICKNESS	0,083	0,049	0,065	0,095	0,109	0,065	0,831	0,109	0,120	0,120	-
TUBE ID	0,459	0,652	0,620	0,560	0,532	0,870	0,834	0,782	0,760	1,010	-



**Metric size:**

METRIC		
tube OD	wall thickness	tube ID
3	0,5	2
4	1	2
5	1	3
6	1	4
6	1,5	3
6	2	2
8	1	6
8	1,5	5
8	2	4
8	2,5	3
9	1,5	6
10	1	8

METRIC		
tube OD	wall thickness	tube ID
10	1,5	7
10	2	6
10	3,5	3
12	1	10
12	1,5	9
12	2	8
12	2,5	7
14	1	12
14	1,5	11
14	2	10
14	2,5	9
14	3	8

METRIC		
tube OD	wall thickness	tube ID
15	1	13
15	1,5	12
15	2	11
15	2,5	10
15	3	9
16	1	14
16	1,5	13
16	2	12
16	2,5	11
16	3	10
18	1	16
18	1,5	15

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**Metric size:**

METRIC		
tube OD	wall thickness	tube ID
18	2	14
18	2,5	13
18	3	12
19	2	15
20	1	18
20	1,5	17
20	2	16
20	2,5	15
20	3	14
20	3,5	13
20	4	12
22	1	20
22	1,5	19
22	2	18
22	2,5	17
22	3	16
22	3,5	15
22	4	14
22	8	6
24	2	20
25	2	21
25	2,5	20
25	3	19
25	4	17
27	3	21
27	3,5	20
27	4	19
28	1,5	25
28	2	24
28	2,5	23

METRIC		
tube OD	wall thickness	tube ID
28	3	22
28	3,5	21
28	4	20
30	1,5	27
30	2	26
30	2,5	25
30	3	24
30	3,5	23
30	4	22
30	5	20
32	2	28
32	2,5	27
32	3	26
32	4	24
34	2	30
34	2,5	29
34	3	28
34	3,5	27
34	4	26
34	4,5	25
34	5	24
35	1	33
35	1,5	32
35	2	31
35	2,5	30
35	3	29
35	3,5	28
35	4	27
35	5	25
38	2,5	33

METRIC		
tube OD	wall thickness	tube ID
38	3	32
38	3,5	31
38	4	30
38	5	28
38	6	26
40	4	32
42	2	38
42	3	36
42	3,5	35
42	4	34
42	4,5	33
42	5	32
42	6	30
45	3	39
45	6	33
48	3	42
48	3,5	41
48	5	38
50	5	40
50	6	38
60	3	54
60	5	50
60	6	48
60	7	46
60	8	44
65	5	55
65	8	49
70	4	62
70	5	60
70	8	54



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