



Hydraulic tubing



CARBON AND STAINLESS STEEL TUBING

Description

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

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

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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