

N2

For multi-purpose piping

Features

- High oil resistance and chemical resistance
- Group 2 type endures up to 4.8MPa (at 20°C).
- High abrasion resistance



Product number table

● Millimeter size type (Group 4)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)					
					Black BK	Milky white MW	Yellow YL	Blue BU	Green GN	Red RE
N2-4-4×2	4×2	5.0	10	11	●	○	○	○	○	○
N2-4-4×2.5	4×2.5	3.3	15	8	●	○	○	○	○	○
N2-4-4×3	4×3	2.0	20	6	●	○	○	○	○	○
N2-4-6×4	6×4	3.0		17	●	○	○	○	○	○
N2-4-6×4.5	6×4.5	2.0	35	13	●	○	○	○	○	○
N2-4-8×6	8×6			23	●	○	○	○	○	○
N2-4-10×7.5	10×7.5	1.6	45	35	●	○	○	○	○	○
N2-4-10×8	10×8			29	●	○	○	○	○	○
N2-4-12×9	12×9	2.0	100	51	●	○	○	○	○	○
N2-4-16×13	16×13	1.6		70	●	○	○	○	○	○

● Inch size type (Group 1)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)					
					Black BK	Milky white MW	Yellow YL	Blue BU	Green GN	Red RE
N2-1-1/8	3.18×2.25	2.3	13	4	●	○	○	○	○	○
N2-1-3/16	4.76×3.48		16	9	●	○	○	○	○	○
N2-1-1/4	6.35×4.57		23	16	○	○	○	○	○	○
N2-1-5/16	7.94×5.90		29	23	●	○	○	○	○	○
N2-1-3/8	9.53×6.99		35	29	●	○	○	○	○	○
N2-1-1/2	12.70×9.56		45	58	●	○	○	○	○	○
N2-1-5/8	15.88×11.10		140	107	●	○	○	○	○	○

● Inch size type (Group 2) –High pressure type–

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (MPa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)	
					Black BK	Milkywhite MW
N2-2-1/8	3.18×1.60	4.8	7	6	●	○
N2-2-3/16	4.76×2.42		12	14	●	○
N2-2-1/4	6.35×3.21		13	25	●	○
N2-2-5/16	7.94×4.02		19	39	●	○
N2-2-3/8	9.53×4.81		19	56	●	○
N2-2-1/2	12.70×6.40		26	99	●	○

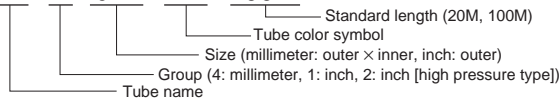
☞ Use fittings of insertion type (Group 2) in QuickSeal series.

Standard length

20M, 100M

Product number example

N2 - 4 - 6×4 - BK - 100M



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+80°C
Water	0°C~+70°C
General operating oil	-40°C~+100°C

☞ Contact us for other operating fluids.

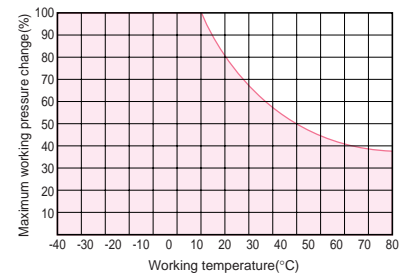
Negative pressure performance

-101.294kPa

Relation between the working temperature and the maximum working pressure

The maximum working pressure varies with the working temperature (environmental temperature). For use at an abnormal temperature, always check the maximum working pressure change in the graph below and keep the pressure within the indicated range.

⚠ Caution Using tubes at a pressure outside the range may cause accidents or damage, for which Nitta Moore is not liable.



Handling instructions

⚠ Caution When water is used as the operating fluid, the tube material might degrade depending on the additive. Contact us for details.

⚠ Caution When water is used as the operating fluid, keep the surge pressure below the maximum working pressure. Also, do not allow the water to freeze.

☞ See page 10 for common instructions for tube products.

Applicable fittings



Allied products and product introduction



Reference

Chemical resistance specification tableP.209
 Effective cross-sectional areaP.178
 Negative-pressure performance listP.179