

NL246 - Nexus SAE100R5 DOT Blue High Temperature Hydraulic Hose



Blue textile covered SAE100R5 hose used for high temperature hydraulic oil, water, gasoline, diesel, or various coolants up to 150°C/302°F or for air up to +82°C/180°F. The external fabric braided cover permits heat loss, but it is typically not designed to withstand abrasion. NL246 meets SAE 100R5 and SAE J1402 Type 2 for hydraulic service in all sizes. Meets the requirements of DOT/FMVSS 106 Type 2. Also approved by AAMVA for air brake service.



Temperature Range: -40°C (-40°F) to +150°C (302°F) air not to exceed +82°C (180°F) not rated for steam use.

Construction: Tube: Black seamless, oil & heat resistant Nitrile (NBR). Cover: Blue, oil resistant polyester braid impregnated with Neoprene (CR). Reinforcement: One high tensile steel wire braid over one polyester braid.

Typical Fittings: N650xx Field Attachables.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
3/16"	NL246-04	.52"	3000 psi	2.9"	.16	C	50 ft	328 ft
1/4	NL246-05	.58	3000	3.3	.19	N	50	328
5/16	NL246-06	.68	2250	3.9	.23	B	50	328
13/32	NL246-08	.75	2000	4.5	.25	B	50	328
1/2	NL246-10	.92	1750	5.5	.34	B	50	328
5/8	NL246-12	1.08	1500	6.5	.46	B	50	328
7/8	NL246-16	1.24	800	7.2	.47	B	25	50
1-1/8	NL246-20	1.50	625	9.0	.54	C	25	50
1-3/8	NL246-24	1.75	500	10.4	.62	C	25	50
1-13/16	NL246-32	2.22	350	13.1	.89	C	25	50
2-3/8	NL246-40	2.87	350	24.0	1.99	N	25	50

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How to Identify & Read Nexus Hydraulic Hose

For Rubber Hydraulic Hoses

E.g. Two dots represents two wire construction
Dots on layline indicates construction



For Thermoplastic Hydraulic Hoses



Hose Selection

Choosing the right hose by matching construction and size for your requirements. Brackets on the coloured laylines indicate construction and the hose dash number indicates size.

Fitting Selection

Select the correct crimp fitting with the same dash number as the hose. Make sure the shape matches the crimp series (N635 or N636).

NL210 - Nexus SAE100R4 Suction Hydraulic Hose

NL210 is a low pressure, wire helix reinforced, hydraulic return line (or suction hose up to 25"/Hg). Depending on the application, temperature, and pressure range, use our NL3020/NL3025 Petroleum or NL4940 Multiflex where an SAE branded product is not required. NL210 will handle petroleum based hydraulic fluids, water, gasoline, diesel, and lubricating oils.

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Temperature Range: -40°C (-40°F) to +100°C (212°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Black oil, abrasion and weather resistant synthetic rubber. Reinforcement: Textile reinforcement with steel wire helix.

Typical Ends: N635 Crimp Series (sizes -12 to -32) & Shank fittings (sizes -40 to -64).

Inside Diameter*	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
3/4"	NL210-12	1.29"	305 psi	4.9"	.62	B	20 ft	98 ft
1	NL210-16	1.54	250	5.9	.74	A	20	98
1-1/4	NL210-20	1.75	200	7.8	.87	A	20	98
1-1/2	NL210-24	2.09	150	10.0	1.21	A	20	98
2	NL210-32	2.54	100	11.8	1.50	B	20	98
2-1/2	NL210-40	3.25	60	14.0	2.17	N	20	50
3	NL210-48	3.75	60	18.1	2.85	N	20	50
4	NL210-64	4.75	40	24.0	3.76	N	20	50

*Also see NL3010/NL3035 Petroleum Transfer, or NL4940 Marine, for applications or odd sizes where an SAE product is not required.

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NL227 - Nexus EN857 1SC Single Wire Hydraulic Hose

NL227 is a standard single wire hose used in general industrial applications. This hose is an EN857 1SC 1/2 bend radius hose which has synthetic rubber tube and cover. This hose is for applications that do not require added pressure, temperature and abrasion resistance. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -40°C (-40°F) to +120°C (248°F)

Construction: Tube: Black, high quality, seamless, oil resistant synthetic rubber.

Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. **Reinforcement:** One braid high tensile steel wire.

Typical Ends: N635 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL227-04	.47"	3700 psi	2.9"	.12	D	50 ft	328 ft
3/8	NL227-06	.61	3400	3.5	.17	D	50	328
1/2	NL227-08	.75	3200	5.1	.23	D	50	328
3/4	NL227-12	1.02	2000	7.0	.36	D	50	328
1	NL227-16	1.30	1500	9.0	.52	D	50	197
1-1/4	NL227-20	1.61	1000	12.6	.68	D	50	197
1-1/2	NL227-24	1.89	750	15.7	.89	N	50	197
2	NL227-32	2.40	600	20.8	1.17	N	50	197

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NL229 - Nexus SAE100R17 Hydraulic Hose 3000 PSI

This hose is a very flexible multi wire hose that has consistent working pressure (3000 psi) through all sizes, eliminating the need for multiple types of hoses for one piece of equipment. This hose is used for high pressure lines on agricultural, construction and other types of equipment.

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Temperature Range: -40°C (-40°F) to +120°C (248°F)

Construction: Tube: Seamless oil resistant synthetic rubber. Cover: Black wrapped, oil, weather and abrasion resistant synthetic rubber. Reinforcement: One/Two Steel Braid

Typical Fittings: N635 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL229-04	.48"	3000 psi	1.9"	.12	N	50 ft	328 ft
3/8	NL229-06	.61	3000	2.5	.17	N	50	328
1/2	NL229-08	.75	3000	3.5	.23	N	50	328
5/8	NL229-10	.98	3000	3.9	.47	N	50	164
3/4	NL229-12	1.10	3000	4.7	.54	D	50	164
1	NL229-16	1.40	3000	5.9	.83	D	50	164

NL308 - LifTruck SAE100R17 Low Resistance Cover Hose

NL308 is a single braid hydraulic hose specially designed for "Lift Truck" equipment. This hose has a very tight bend radius with a smooth, low friction cover for ease over any pulleys and when used in carriers/energy chains. This hose has very low elongation characteristics and 3600 psi through all sizes.

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Temperature Range: -40°C (-40°F) to +100°C (212°F).

Construction: Tube: Black, oil resistant synthetic rubber. Cover: Oils, abrasion and weather resistant smooth synthetic rubber.

Reinforcement: One high tensile steel wire braid.

Typical Fittings: N635 Crimp Series.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL308-04	.48"	3600 psi	1.35"	.13	D	50 ft	328 ft
3/8	NL308-06	.61	3600	1.57	.20	D	50	328
1/2	NL308-08	.76	3600	1.96	.27	D	50	328

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NL329 - Nexus EN857 2SC Double Wire Hydraulic Hose

NL329 is a standard double wire hose used in general industrial applications. This medium pressure hose is an EN857 2SC 1/2 bend radius hose with a synthetic rubber tube and cover. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -40°C (-40°F) to +120°C (248°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Two braid high tensile steel wire.

Typical Ends: N635 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL329-04	.52"	6500 psi	2.9"	.17	A	50 ft	328 ft
3/8	NL329-06	.67	5300	3.5	.25	A	50	328
1/2	NL329-08	.81	4500	5.1	.35	A	50	328
5/8	NL329-10	.94	4000	6.6	.41	A	50	328
3/4	NL329-12	1.08	3500	7.8	.50	A	50	164
1	NL329-16	1.38	3000	9.8	.74	A	50	164
1-1/4	NL329-20	1.69	2500	12.6	.99	B	50	197
1-1/2	NL329-24	1.97	2000	15.7	1.26	B	50	197
2	NL329-32	2.48	1600	20.8	1.66	C	50	197

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NL342 - Nexus EN857 2SC Double Wire SubZero2 Hydraulic Hose

NL342 is a cold temp -55°C double wire hose used in general industrial applications. This medium pressure hose is an EN857 2SC 1/2 bend radius hose which has synthetic rubber tube and cover. This cold temp hose is designed with a MSHA flame resistant cover.

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Temperature Range: -57°C (-70°F) to +125°C (257°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Two braid high tensile steel wire.

Typical Ends: N635 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL342-04	.52"	6500 psi	1.7"	.17	B	50 ft	328 ft
3/8	NL342-06	.67	5300	2.5	.25	B	50	328
1/2	NL342-08	.81	4500	3.1	.35	B	50	328
5/8	NL342-10	.94	4000	3.5	.41	D	50	328
3/4	NL342-12	1.08	3500	4.7	.50	C	50	164
1	NL342-16	1.38	3000	5.9	.74	C	50	164
1-1/4	NL342-20	1.69	2500	11.0	1.25	D	-	164
1-1/2	NL342-24	1.97	2000	14.1	1.49	N	-	164
2	NL342-32	2.48	1600	19.2	1.95	N	-	164

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NL440 - Nexus EN856 4SH Four Wire Hydraulic Hose

NL440 is a four spiral hose used in higher pressure industrial applications. This high pressure hose meets EN856 4SH and has a standard synthetic rubber tube and cover. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -56°C (-69°F) to +125°C (257°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Four high tensile steel wire spirals.

Typical Ends: N635 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Increments	Bulk Length
3/4"	NL440-12	1.20"	6100 psi	4.7"	.94	A	50 ft	197 ft
1	NL440-16	1.50	6100	5.9	1.35	A	50	197
1-1/4	NL440-20	1.77	5100	8.2	1.72	B	50	197
1-1/2	NL440-24	2.06	4400	11.4	2.08	D	20	50
2	NL440-32	2.63	3700	16.9	2.99	D	20	50

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NL450 - Nexus EN856 R13 6SP Six Spiraled Hydraulic Hose 5,000 PSI

NL450 is a six spiral hose used in high-peak pressure industrial applications and arduous operating conditions. This ultra-high pressure hose meets EN856 R13 and has a synthetic rubber tube and cover. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -50°C (-58°F) to +125°C (257°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Six heavy spiraled layers of high tensile steel wire.

Typical Ends: N636 Crimp Series.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1-1/4"	NL450-20	1.95"	5000 psi	13.3"	2.55	N	20 ft	50/197 ft
1-1/2	NL450-24	2.25	5000	16.1	3.09	N	20	50/197
2	NL450-32	2.82	5000	21.6	4.60	D	20	50/197

HYBS

NL460 - Nexus Jack Hose 10,000 PSI

NL460 is a flexible, rubber covered, double wire braided, non-skive hydraulic hose which is suitable for most high pressure hydraulic jacks and tool applications. Also stocked in ready to go popular assemblies and meets Material Handling Institute Specification IJ100. ***This is a CRITICAL PRESSURE HOSE, follow assembly procedures carefully.**

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Temperature Range: -40°C (-40°F) to +100°C (212°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Two braid high tensile steel wire.

Typical Ends: N635 Crimp Series.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1/4"	NL460-04	.58"	10,000 psi	3.9"	.23	A	50 ft	328 ft
3/8	NL460-06	.73	10,000	5.1	.32	B	50	328

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NL480 - Nexus EN856 4SP Four Spiraled Hydraulic Hose

NL480 is a four spiral hose used in higher pressure industrial applications. This high pressure hose meets EN856 4SP and has a synthetic rubber tube and cover. This hose is for applications that do not require added pressure, temperature and abrasion resistance. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -56°C (-69°F) to +125°C (257°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: Four high tensile steel wire spirals.

Typical Ends: N635 Crimp Series.

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
3/8"	NL480-06	.80"	6100 psi	2.5"	.50	D	50 ft	164 ft
1/2"	NL480-08	.91	6100	3.1	.61	B	50	164
5/8"	NL480-10	1.04	5100	3.9	.72	C	50	164

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NL485 - Nexus SAE100R15 6SP Six Spiraled Hydraulic Hose 6000 PSI

NL485 is a six spiral hose used in Ultra-high pressure industrial applications. This Ultra-high pressure hose meets 100R15 and has a synthetic rubber tube and cover. This hose is designed with a MSHA flame resistant cover.

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Temperature Range: -56°C (-69°F) to +125°C (257°F)

Construction: Tube: Black seamless, oil resistant synthetic rubber. Cover: Synthetic black, high quality, oil, abrasion and weather resistant synthetic rubber. Reinforcement: six heavy spiralled layers of high tensile steel wire.

Typical Ends: N636 Crimp Series

Inside Diameter	Part #	Outside Diameter	W. Pressure @ 20°C (70°F)	Bend Radius	Weight (lbs/ft)	Stk	Std Cut Increments	Bulk Length
1-1/4"	NL485-20	1.91"	6000 psi	9.4"	2.45	D	-	50/197 ft
1-1/2"	NL485-24	2.17	6000	11.4	2.84	D	-	50/197
2"	NL485-32	2.81	6000	18.9	4.60	D	-	50/197

HYBS