

Hoses

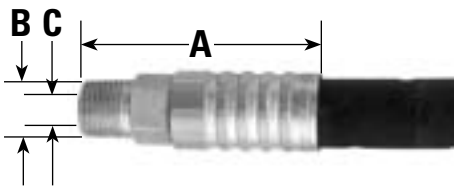


NLB stocks a complete line of high-pressure hoses for all popular working pressures, up to 40,000 psi (2,800 bar). All are designed for long life and dependable service. Most hoses are stocked in 25', 50' and 100' lengths (7.6m, 15.2m and 30.4m), and custom lengths are available. When ordering, please specify part number, length (the XX at the end), and end connection.

Features include:

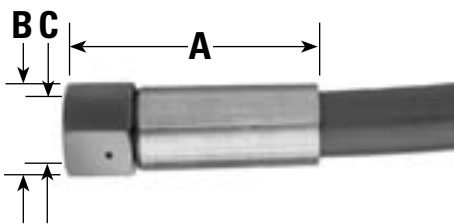
- Smooth inner core to minimize pressure drop
- High-tensile spiraled wire for strength and kink resistance
- Tough outer cover to prevent abrasion and wire exposure
- Short end connections allow movement around tight bend radii

WP Hose, 10,000 to 15,000 psi (700-1,035 bar)



| Part Number | Working Pressures Up To | End Connection | Dim. "A" Coupling Length | Dim. "B" Coupling O.D. | Dim. "C" Hose I.D. |
|----------------|-------------------------|----------------|--------------------------|------------------------|--------------------|
| WP3-3/8-XX | 10,000 psi (700 bar) | 3/8" MNPT | 2.525" (6.4 cm) | 0.915" (2.3 cm) | .38" (.9 cm) |
| WP3-1/2-XX | 10,000 psi (700 bar) | 1/2" MNPT | 3.385" (8.6 cm) | 1.150" (2.9 cm) | .50" (1.3 cm) |
| WP3-3/4-XX | 10,000 psi (700 bar) | 3/4" MNPT | 3.550" (9.0 cm) | 1.400" (3.6 cm) | .75" (1.9 cm) |
| WP4-1-XX | 10,000 psi (700 bar) | 1" MNPT | 4.500" (11.4 cm) | 1.750" (4.5 cm) | 1.0" (2.5 cm) |
| WP3-1/2-12K-XX | 12,000 psi (840 bar) | 1/2" MNPT | 3.385" (8.6 cm) | 1.150" (2.9 cm) | .50" (1.3 cm) |
| WP3-1/2-15K-XX | 15,000 psi (1,035 bar) | 1/2" MNPT | 3.385" (8.6 cm) | 1.150" (2.9 cm) | .50" (1.3 cm) |

NP Hose, 20,000 to 24,000 psi (1,400-1,680 bar)



| Part Number | Working Pressures Up To | End Connection | Dim. "A" Coupling Length | Dim. "B" Coupling O.D. | Dim. "C" Hose I.D. |
|--------------|-------------------------|-----------------------|--------------------------|------------------------|--------------------|
| NP20-5/16-XX | 20,000 psi (1,400 bar) | 9/16" M/P Nipple | 4.000" (10.2 cm) | 0.900" (2.3 cm) | .38" (.9 cm) |
| NP20-3/8-XX | 20,000 psi (1,400 bar) | 9/16" M/P Nipple | 4.000" (10.2 cm) | 0.900" (2.3 cm) | .38" (.9 cm) |
| NP20-1/2-XX | 20,000 psi (1,400 bar) | 1"-12 Swivel Nut | 3.420" (8.7 cm) | 1.440" (3.7 cm) | .50" (1.3 cm) |
| NP20-3/4-XX | 20,000 psi (1,400 bar) | 1-5/16"-12 Swivel Nut | 3.500" (8.9 cm) | 1.750" (4.5 cm) | .75" (1.9 cm) |
| NP24-1/2-XX | 24,000 psi (1,680 bar) | 1"-12 Swivel Nut | 4.250" (10.8 cm) | 1.250" (3.2 cm) | .50" (1.3 cm) |

NOTE: Some pressure drop is inevitable, and it varies with hose diameter. Please refer to the chart on Page 100.

Ultra-High Pressure Hose, 40,000 psi (2,800 bar)

- Heavy-duty thermoplastic outer cover
- Steel wire reinforcement
- Minimum bend radius of 6" (15.2 cm) for 3/16" hose; 8" (20.3 cm) for 5/16" hose



| Model No. | Standard Lengths | Working Pressure | Thread Connection | I.D. | O.D. |
|------------------------|------------------|------------------------|-------------------------|---------------|-----------------|
| NP40-3/16-15M | 15' (4.6 m) | 40,000 psi (2,800 bar) | 3/8"-24 LH Male | .20" (5.1 mm) | .68" (17.3 mm) |
| NP40-3/16-15F | 15' (4.6 m) | 40,000 psi (2,800 bar) | 9/16" Female Swivel | .20" (5.1 mm) | .85" (21.6 mm) |
| NP40-3/16-35F | 35' (10.7 m) | 40,000 psi (2,800 bar) | 9/16" Female Swivel | .20" (5.1 mm) | .85" (21.6 mm) |
| NP40-3/16-50F | 50' (15.2 m) | 40,000 psi (2,800 bar) | 9/16"-18 Female Swivel | .20" (5.1 mm) | .85" (21.6 mm) |
| NP40-5/16-8M | 8' (2.4 m) | 40,000 psi (2,800 bar) | 9/16"-18 LH Male | .33" (8.4 mm) | .90" (22.9 mm) |
| NP40-5/16-8F Whip Hose | 8' (2.4 m) | 40,000 psi (2,800 bar) | 1-1/8"-12 Female Swivel | .33" (8.4 mm) | 1.60" (40.7 mm) |
| NP40-5/16-15M | 15' (4.6 m) | 40,000 psi (2,800 bar) | 9/16"-18 LH Male | .33" (8.4 mm) | .90" (22.9 mm) |
| NP40-5/16-15F | 15' (4.6 m) | 40,000 psi (2,800 bar) | 1-1/8"-12 Female Swivel | .33" (8.4 mm) | 1.60" (40.7 mm) |
| NP40-5/16-50M | 50' (15.2 m) | 40,000 psi (2,800 bar) | 9/16"-18 LH Male | .33" (8.4 mm) | .90" (22.9 mm) |
| NP40-5/16-50F | 50' (15.2 m) | 40,000 psi (2,800 bar) | 1-1/8"-12 Female Swivel | .33" (8.4 mm) | 1.60" (40.7 mm) |

Whip Hoses

NLB Whip Hoses help protect hand lance operators from potentially dangerous hose failures. Each whip hose assembly consists of a short length of hose, usually 10 feet (3 m) or less, covered with a heavy, dense fabric or reinforced plastic tubing designed to diffuse the energy released by a hose failure.

NLB offers whip hoses for all popular pressures, from 10,000 to 40,000 psi (700 to 2,800 bar).

SW-10K



| Whip Hose | Working Pressure | Connection to Lance | Connection to Hose |
|-----------|------------------------|---------------------|--|
| SW-10K | 10,000 psi (700 bar) | NQC-22 Male | NQC-22 Male |
| SW-15K-7 | 15,000 psi (1,035 bar) | 1/2" MNPT | 1/2" MNPT |
| 275-31 | 20,000 psi (1,400 bar) | 3/4" MP Male | 3/4"-16 Type M Swivel |
| BM19662 | 24,000 psi (1,680 bar) | 9/16" MP Male | 1"-12 UNF Type M Male |
| BM21403 | 40,000 psi (2,800 bar) | 9/16" HP Male | 9/16"-18 Type M Includes BM21400 for connection to 5/16 HP Hose |
| DM14150 | 40,000 psi (2,800 bar) | 9/16" HP Male | 1-1/8"-12 Female (to Bi-Mode Valve) |