BOLTIGHT™
PART OF THE NORD-LOCK GROUP

HYDRAULIC HOSES

Boltight's flexible hydraulic hoses have been designed for use with Boltight tools.

They are available for various operating pressures, with different end configurations designated by the part number.

SPECIFICATION

Boltight's flexible hydraulic link pressure hoses are manufactured from a multi-spiral reinforced polymer, with a clear PVC cover for additional operator protection and resistance against abrasion and corrosion.

The hoses, connectors, and pumps are all color coded to ensure the correct hoses are used with the correct tools.

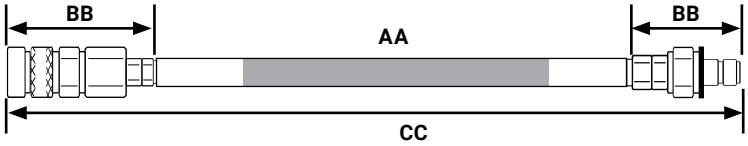
The hose configuration can be specified by the part number using the following format:

BT-AABB-CC

AA – Refers to the maximum operating pressure

BB – Refers to the end configuration

CC – Refers to the length



For example, a 5-meter 1500-bar hose with a tee block and coupling would be BT-1548-5.

See the following table for designation numbers:

Standard Operating Pressures	AA	Standard End Configuration	BB	Standard Lengths	CC
1500 bar	15	Coupling/Nipple	40	1.5 meter	1.5
2500 bar	25	Coupling/Coupling	41	2 meter	2
		Nipple/Nipple	42	3 meter	3
		Tee Block/Coupling	48	4 meter	4
				5 meter	5
				6 meter	6
				8 meter	8
				10 meter	10

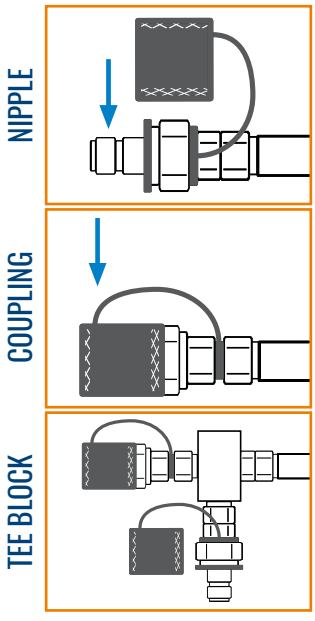
Special hose assemblies can be made to meet your needs.
Please send details of your requirements for a fast response.

APPLICATION

- High-pressure service for use with petroleum or synthetic hydraulic fluids and chemical fluids.
- High-pressure delivery for hydraulic tensioning tools and other equipment.
- Applications used across various industries worldwide, with working pressure up to 150MPa.

FEATURES

- Hoses are filled with oil and pressure tested prior to dispatch.
- All hoses are marked with serial numbers for clear identification.
- Regardless of configuration, all hoses come fitted with quick connectors and dust caps.
- All hoses come standard with safety locking couplings.



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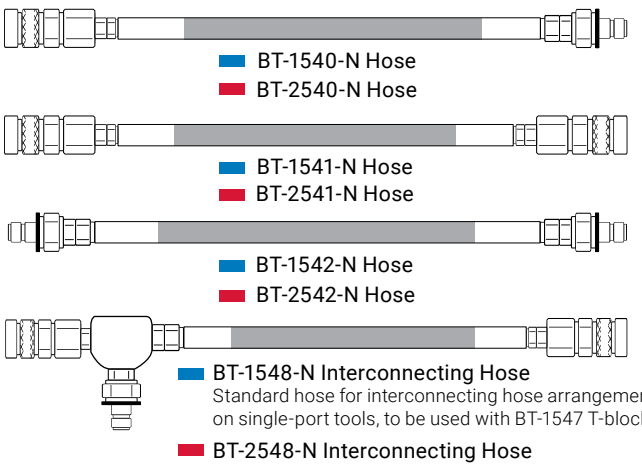

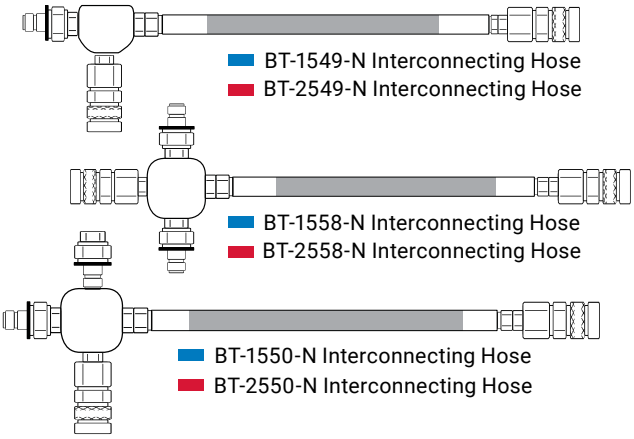

1500-BAR HOSE SPECIFICATION

Construction	Material	
Inner Core	POM	
Bond	Special adhesive	
Pressure Reinforcement	Two-spiral layer of ultra-high tensile steel wire	
Outer Cover	PA Blue	
Dimensions	**SI Units**	**Imperial Units**
Inner Ø	4.9mm + 0.1mm	0.193in + 0.0004in
Outer Ø	9.5mm + 0.1mm	0.374in + 0.0004in
Bend Radius	95mm	3.74in
Weight	0.14kg/m	0.094lb/ft
Performance	**SI Units**	**Imperial Units**
Min Burst Pressure	370.0MPa	54,375psi
Max Working Pressure	150.0MPa	21,750psi
Safety Factor	2.5:1	
Working Temperature	-10° C to +70° C	14° F to 158° F
Change in Length	+2 percent	
Impulse Strength	More than 20,000 impulse cycles at WP	
Volumetric Expansion	Typical value: 14 percent at WP	
Electrical Conductivity	Yes	

2500-BAR HOSE SPECIFICATION

Construction	Material	Imperial Units
Inner Core	POM	0.193in + 0.0004in
Bond	Special adhesive	0.374in + 0.0004in
Pressure Reinforcement	Six-spiral layer of ultra-high tensile steel wire	3.74in
Outer Cover	PA Red	0.094lb/ft
Dimensions	**SI Units**	**Imperial Units**
Inner Ø	4.8mm + 0.1mm	0.189in + 0.0004in
Outer Ø	12.9mm + 0.1mm	0.507in + 0.0004in
Bend Radius	175mm	6.889in
Weight	0.41kg/m	0.90lb/ft
Performance	**SI Units**	**Imperial Units**
Min Burst Pressure	625.0MPa	90,648psi
Max Working Pressure	250.0MPa	36,259psi
Safety Factor	2.5:1	
Working Temperature	-40° C to +100° C	-40° F to +212°F
Change in Length	+2 percent	

OIL INFORMATION

Selecting the correct high-quality oil improves functionality for your hydraulic system. The viscosity will determine how easily the oil is pumped into and drained out of the tank. The type of pump you choose will determine the appropriate viscosity.

Viscosity	Applications
ISO 10	Recommended for hand pumps and higher temperature environments
ISO 32	Recommended for hand, air, or electric pumps and suitable for most environments
ISO 46	Recommended for electric pumps

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