

Hybrid Air Hose Assembly

HBA series

The Hybrid Air Hose Assembly is a three-layer pneumatic hose with a fiber reinforcement layer between the inner and outer PVC layers. It supports higher working-pressure conditions and helps control diameter expansion under working pressure.

This structure helps maintain a stable hose profile under pressure variations, reducing diameter changes or localized deformation.

The PVC formulation is designed for low-temperature use, allowing the hose to remain flexible in cold environments. The material formulation and reinforced structure serve complementary functions, supporting low-temperature operation and the pressure resistance required for pneumatic systems.

In addition, the hose has low memory. Even after repeated pulling and coiling, it can remain straight when laid out.

The product is assembled with fittings before shipment, reducing the need for on-site fitting assembly.

Key Features

- Three-layer PVC braided pneumatic hose with pre-assembled fittings
- Fiber reinforcement layer for higher working-pressure applications
- Stable hose shape under pressure variations with reduced localized deformation
- Formulated for low-temperature use to maintain flexibility in cold environments
- Low memory for applications involving repeated pulling and coiling

Applications

- Compressed-air supply for pneumatic tools
- Air-supply extension for temporary workstations or work areas
- On-site compressed-air supply applications involving frequent pulling, movement, or coiling
- Pneumatic tool air supply in low-temperature or winter operating environments

Technical Specifications

Material	PVC with fiber reinforcement layer
Operating Temp. Range	-25°C to 60°C (-13°F to 140°F)
Safety Factor	3：1

Specifications

- Metric Sizes - mm

Model Number	Tube ID	Max. Working Pressure 23°C (73°F)	Packing Length	Fittings	Color			
+Color	mm	bar	m		BK	BU	R	Y
HBA6510M_	6.5	20	10	1/4PT	■	■	■	■
HBA6515M_			15					
HBA6520M_			20					
HBA6530M_			30					
HBA8010M_	8.0	20	10	1/4PT	■	■	■	■
HBA8015M_			15					
HBA8020M_			20					
HBA8030M_			30					
HBA1010M_	10.0	20	10	3/8 PT	■	■	■	■
HBA1015M_			15					
HBA1020M_			20					
HBA1030M_			30					
HBA12510M_	12.5	20	10	3/8PT、1/2PT	■	■	■	■
HBA12515M_			15					
HBA12520M_			20					
HBA12530M_			30					

- Imperial Sizes - inch

Model Number	Tube ID	Max. Working Pressure 73°F (23°C)	Packing Length	Fittings	Color			
+Color	inch	psi	ft		BK	BU	R	Y
HBA1425FT_	1/4	300	25	1/4NPT	■	■	■	■
HBA1450FT_			50					
HBA14100FT_			100					
HBA3825FT_	3/8	300	25	3/8NPT	■	■	■	■
HBA3850FT_			50					
HBA38100FT_			100					
HBA1225FT_	1/2	300	25	3/8NPT、1/2NPT	■	■	■	■
HBA1250FT_			50					
HBA12100FT_			100					

Selected hardness levels, sizes, and colors may be available upon request. Please contact SHPI for availability.

Ordering Information

- Metric Sizes - mm

HBA 65 10M BK

Material	
HBA	Hybrid Air Hose Assemblies

Inside Diameter	
65	6.5 mm
80	8.0 mm
10	10.0 mm
125	12.5 mm

Package Length	
10M	10 Meters
15M	15 Meters
20M	20 Meters
30M	30 Meters

Color Code	
BK	Black
BU	Blue
R	Red
Y	Yellow

- Imperial Sizes - inch

HBA 14 25FT BK

Material	
HBA	Hybrid Air Hose Assemblies

Inside Diameter	
14	1/4"
38	3/8"
12	1/2"

Package Length	
25FT	25 Feet
50FT	50 Feet
100FT	100 Feet

Color Code	
BK	Black
BU	Blue
R	Red
Y	Yellow

Contact Info

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