

## Tube Trailer Hoses

Specifically designed for use in tube trailer discharge or as a flexible line to cylinder manifolds, these zero permeation hoses meet the purity requirements of laser gases. The close-packed corrugated stainless steel inner core offers extreme flexibility, while a single piece extended braid ring and heavy duty 316L end fittings provide durable service and a long life. All hoses are cased in stainless steel armor to protect the hose from kinking, braid abrasion, and stress at the ends.



### Ordering Information

Part Number	Length (ft)	Weight (lbs.)
529-0260	12'	11.5
529-0261	18'	23
529-0262	24'	34.5

### Materials and Specifications

- **Materials of Construction**  
316 stainless steel (inner core)  
304 stainless steel (double heavy duty braid)  
302 stainless steel (armor casing)  
316L stainless steel (end fittings)
- **End Connections**  
½" MPT x ½" FPT
- **Diameter**  
.500 inches inner diameter  
1.25 inches outer diameter
- **Maximum Operating Pressure**  
3,500 PSIG (245 BAR)
- **Minimum Burst Pressure**  
14,000 PSIG (980 BAR)
- **Centerline Bend Radius**  
5.0"
- **Temperature Range**  
-450°F to 1500°F (-265°C to 815°C)
- **Oxygen Service**  
Cleaned to CGA G4.1 specifications

## Flexible Hoses

With an inner core and end fittings of 316L stainless steel, this metal hose provides an all-welded, zero permeation and flexible alternative to pipe and tubing in laser purity gas applications, even at cryogenic temperatures. The metal-lined hose is reinforced with two layers of type 321 stainless steel braid to provide maximum protection and flexibility. All hoses are encased in stainless steel armor to protect the hose from kinking, braid abrasion, and stress at the ends.



### Materials and Specifications

- **Maximum Working Pressure**  
3,000 PSIG (210 BAR)
- **Diameter**  
.250 inches inner diameter  
.72 inches outer diameter
- **Minimum Bend Radius**  
3.0"
- **Temperature Range**  
-450°F to 1500°F (-265°C to 815°C)
- **Oxygen Service**  
Cleaned to CGA G4.1 specifications

### Ordering Information

Part Number	Connections	Length (in.)	Weight (lbs.)	Core	Casing
529-0031-CON	¼" MPT x CON *	36"	0.9	Stainless Steel	Stainless Steel Armor
529-0044-CON	¼" MPT x CON*	36"	0.9	PTFE	Stainless Steel Braid
529-0088-CON	¼" MPT x CON *	36"	0.9	PTFE	Stainless Steel Armor
529-0089-540	¼" MPT x CON *	72"	1.8	PTFE	Stainless Steel Armor
529-0055-CON	¼" MPT x CON *	72"	1.8	Stainless Steel	Stainless Steel Armor
529-0094-CON	¼" MPT x CON *	72"	1.8	PTFE	Stainless Steel Armor
529-0272-CON	¼" MPT x CON *	72"	1.8	PTFE	Stainless Steel Braid
529-0256-CON	¼" MPT x CON *	144"	3.6	Stainless Steel	Stainless Steel Armor

\* Please specify