



# PTFE Lined Stainless Steel Braided Pigtails Style TSC

**Style TSC** is an economically priced, flexible, lightweight, and durable pigtail that has become the industry standard for cylinder fill manifolds. These pigtails surpass the requirements of CGA E.9, and are constructed with a smooth PTFE inner core, and series 300 exterior stainless steel braid. An optional anti-whip, anti-kink "Safety Armor" is available for added protection. Each hose is marked with an aluminum belly band noting the working pressure and date manufactured. All assemblies are pressure tested per CGA E.9 to 1-1/4 times the working pressure and have a minimum burst pressure rating 4 times the maximum working pressure. A full range of end fitting options are available, allowing you to custom design the pigtail for your specific application.

## Style TSC - 3000 PSIG Rated w/ Brass End Fittings

HOSE I.D.	O.D. WITHOUT ARMOR	O.D. WITH ARMOR	NO. OF BRAIDS	DYNAMIC BEND RADIUS	WORKING PRESURE	BURST PRESSURE
1/4"	0.375"	0.55"	1	3.0"	3000 PSIG	12,000 PSIG

HOSE PART #	ENDS	SERVICE
5TSC-144-144-xx"	1/4" Female NPT	Inert
5TSC-144-144-xx"-CCB	1/4" Female NPT	Oxygen Clean
5TSC-144-DVP-xx"-CCB	1/4" FNPT x 1/4" FNPT DVP	Oxygen Clean
5TSC-DVP-DVP-xx"-CCB	1/4" FNPT DVP x 1/4" FNPT DVP	Oxygen Clean

Specify overall length – change xx" in part number to desired overall length.

## "Safety Pigtail" Style TSC with Stainless Steel Armor Casing

HOSE PART #	ENDS	SERVICE
5TSC-144-144-xx"-A	1/4" Female NPT	Inert
5TSC-144-144-xx"-A-CCB	1/4" Female NPT	Oxygen Clean
5TSC-144-DVP-xx"-A-CCB	1/4" FNPT x 1/4" FNPT DVP	Oxygen Clean
5TSC-DVP-DVP-xx"-A-CCB	1/4" FNPT DVP x 1/4" FNPT DVP	Oxygen Clean

Specify overall length – change xx" in part number to desired overall length.

Stainless Steel fitting-per end (244)  
Stainless Steel special swivel fitting (244S)

### Notes:

1. DVP specifies the distance volume piece (DVP) threaded on.
2. For **acetylene applications**, use specify 5TSCB in the part number instead of 5TSC. This hose has a black, static-conductive PTFE core.

**Oxygen Service** - A brass extension adaptor (BE-4-3HP) is recommended on all "PTFE" type hoses, to absorb the heat generated by adiabatic compression.

Style TSC flexible pigtails have a minimum burst pressure rating 4 times the maximum working pressure. The stainless steel armor casing allows free movement of the hose and protects the hose from damage. This casing also acts as a bend restrictor to prevent kinking near the connections and to enhance whip protection in the event of a cylinder falling or other similar incidents. Oxy-Extension Piece BE-4-3HP is recommended in oxygen applications to absorb the heat experienced in adiabatic compression and eliminate possible damage to the PTFE tube if the pigtail is quickly pressurized with oxygen against a closed valve or regulator.

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