



Grade T Single Line Welding Hose

CGA E-1, ARPM IP-7

Series 7141 (Red – Fuel Gas Line)

Series 7142 (Green – Oxygen Line)

Series 7141/7142 is a premium single line welding hose featuring a flame resistant and oil resistant tube and cover. Red Series 7141 is only for fuel service and is compatible with commonly used fuel gases, including acetylene, hydrogen, natural gas, propane and propylene. Green Series 7142 is only for oxygen service. The non-blooming tube minimizes the migration of combustible waxes or plasticizers to the surface of the rubber, and the multiple plies of textile reinforcement provide flexibility. Single line welding hose is available in long continuous lengths, providing maximum versatility and ease of handling in a variety of applications where only single line hose is needed or where the fuel gas and oxygen sources are separated, and twin line hose is not practical. The hose cover is resistant to abrasion, mild chemicals, flame, oil and ozone—significant for combination plasma/oxy-fuel welding and cutting equipment applications, which frequently generate intense amounts of ozone and also require Grade T fuel gas hose. Grade T is the only grade of welding hose recognized by the Compressed Gas Association (CGA) for oxy-fuel gas welding applications.

NOTE: Grade T is also suitable for use with inert gas.

Tube:	Black chloroprene
Reinforcement:	Multiple textile plies
Cover:	Series 7141: Red chloroprene; ribbed finish (3/4" smooth finish) Series 7142: Green chloroprene; ribbed finish (3/4" smooth finish)
Temp. Range:	-40°F to +200°F (-40°C to +93°C)
Brand Method:	Series 7141: White ink Series 7142: Black ink
Brand Example:	Series 7141: PARKER 7141 WELDING ⚠ WARNING FUEL GAS (ID) MAX WP 200 PSI ARPM/CGA IP-7-(YEAR) STD DUTY GRADE T COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE) Series 7142: PARKER 7142 WELDING ⚠ WARNING OXYGEN (ID) MAX WP 200 PSI ARPM/CGA IP-7-(YEAR) STD DUTY GRADE T COUPLE WITH ONE INCH FERRULES MADE IN USA (DATE CODE)
Design Factor:	4:1
Industry Standards:	CGA E-1, ARPM IP-7
Applications:	<ul style="list-style-type: none"> • Series 7141 (red): Acetylene hydrogen, natural gas, propane, propylene • Series 7142 (green): Oxygen • Bending, brazing, cutting, fabricating, gouging, joining, piercing, pre-heating, post-heating, severing, soldering, straightening, surfacing, trimming • Assembly and fabrication shops, construction, factories, foundries, mines, oil rigs, plumbing, rail yards, salvage, scrapyards, shipyards, steel mills
Vacuum:	Not recommended
Compare to:	Thermoid Single Line Corrugated Grade T Welding; Veyance Wingfoot Single Line Grade T
Packaging:	Reels

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Series 7141 / 7142 – Grade T Single Line Welding Hose (Continued)

Series 7141 (Red – Fuel Gas Line)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7141-19200	3/16	4.8	2	0.438	11.1	0.08	0.04	2.0	50.8	200	13.8	*	800	Y
7141-25200	1/4	6.4	2	0.531	13.5	0.10	0.05	2.5	63.5	200	13.8	*	800	Y
7141-31200	5/16	7.9	2	0.594	15.1	0.14	0.06	3.0	76.2	200	13.8	*	750	N
7141-38200	3/8	9.5	2	0.656	16.7	0.16	0.07	4.0	101.6	200	13.8	HY	700	Y
7141-50200	1/2	12.7	2	0.875	22.2	0.29	0.13	5.0	127.0	200	13.8	HY	500	Y
7141-75200	3/4	19.1	4	1.156	29.4	0.43	0.20	6.0	152.4	200	13.8	CGHBL, HY	400	Y

* **Industrial Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

Welding Couplings: As specified in [CGA publication E-1](#). Bulk welding hose couplings are not sold separately by Parker (except 3/4").

** **Stock:** "Y" indicates stocked item; "N" indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

Series 7142 (Green – Oxygen Line)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
7142-19200	3/16	4.8	2	0.438	11.1	0.08	0.04	2.0	50.8	200	13.8	*	800	N
7142-25200	1/4	6.4	2	0.531	13.5	0.10	0.05	2.5	63.5	200	13.8	*	800	Y
7142-31200	5/16	7.9	2	0.594	15.1	0.14	0.06	3.0	76.2	200	13.8	*	705	N
7142-38200	3/8	9.5	2	0.656	16.7	0.16	0.07	4.0	101.6	200	13.8	HY	700	Y
7142-50200	1/2	12.7	2	0.875	22.2	0.29	0.13	5.0	127.0	200	13.8	HY	500	Y
7142-75200	3/4	19.1	4	1.156	29.4	0.43	0.20	6.0	152.4	200	13.8	CGHBL, HY	400	Y

* **Industrial Couplings:** Refer to CrimpSource at www.safehose.com for coupling recommendations and crimp specifications.

Welding Couplings: As specified in [CGA publication E-1](#). Bulk welding hose couplings are not sold separately by Parker (except 3/4").

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⚠ WARNING! Do not attempt to re-couple, repair or splice hose assemblies; replace all assemblies that show signs of abrading, abuse, age, damage or fatigue. Refer to [ARPM IP-7, Specifications for Rubber Welding Hose and Hose Technical Bulletin 11-5, Guide for Use, Maintenance and Inspection of Welding Hose](#). Refer to [CGA Safety Bulletin SB-11, Use of Rubber Welding Hose](#). Refer to the [Safety & Technical Information](#) section of this catalog for further information.

