

Grade R Single Line Welding Hose

Series 7120 (Red – Acetylene Only)
Series 7121 and Series 7031(R)
(Green – Oxygen Line)



Series 7120/7121 is a single line acetylene/oxygen welding hose. Red Series 7120 is only for acetylene service. Green Series 7121 is only for oxygen service. 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 cover is resistant to abrasion, heat, mild chemicals and ozone.

NOTES:

- For 3/4" Grade R oxygen hose, refer to Series 7031(R).
- Grade R is also suitable for use with inert gas.

Series 7121/7031(R) (Green – Oxygen Line)

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource.

# Part Number	ID (in)	ID (mm)	Reinf Layers	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/m)	Min Bend Rad (in)	Min Bend Rad (mm)	Max WP (psi)	Max WP (bar)	Perm Cplg Rec *	Nom Std Pack Qty (ft)	Pkg Type
7121-19200	3/16	4.8	2	0.4	11.1	0.08	0.12	2	51	200	14	*	800	Reel
7121-25200	1/4	6.4	2	0.5	13.5	0.10	0.15	3	64	200	14	*	800	Reel
7121-38200	3/8	9.5	2	0.7	16.7	0.14	0.21	4	102	200	14	*	700	Reel
7121-50200	1/2	12.7	4	0.9	22.2	0.26	0.39	5	127	200	14	*	500	Reel
7031-75304R	3/4	19.1	4	1.2	29.4	0.37	0.55	6	152	300†	21†	HY	400	Reel
7031-7530450R												HY	50	Carton

† 200 psi (13.8 bar) maximum recommended working pressure for oxygen service.

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

WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

Tube: Black EPDM

Reinforcement: Multiple textile plies

Cover: Series 7120: Red (acetylene) EPDM; ribbed finish
Series 7121: Green (oxygen) EPDM; ribbed finish
Series 7031(R): Green (oxygen) EPDM; smooth finish

Temp. Range: -40°F to +200°F (-40°C to +93°C)

Brand Method: Series 7120: White ink
Series 7121/7031(R): Black ink

Brand Example: Series 7120: PARKER 7120 WELDING ⚠
WARNING ACETYLENE ONLY (ID) MAX WP 200 PSI ARPM IP-7-(YEAR) STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES
Series 7121: PARKER 7121 WELDING ⚠
WARNING OXYGEN (ID) MAX WP 200 PSI ARPM IP-7-(YEAR) STD DUTY GRADE R COUPLE WITH ONE INCH FERRULES
Series 7031(R): PARKER 7031 GST® II/OXYGEN (ID) MAX WP 300 PSI (200 PSI OXYGEN) ARPM IP-7-(YEAR) STD DUTY GRADE R

Design Factor: 4:1

Industry Standards: ARPM IP-7

Applications:

- Series 7120 (red): Acetylene ONLY
- Series 7121 and 7031(R) (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 Green GP/Oxygen

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.