

- For very high-pressure applications up to 6000 psi.
- The tightest bend radius of any 100R15 hose.
- Specially engineered Tough Cover prolongs hose life.

Parker 791TC Extreme Hose for the highest pressure applications



In very high-pressure applications where space is tight, Parker 791TC Extreme Hose outperforms.

Hydrostatic drives, injection molding, test stands, snow grooming equipment ... extremely high-pressure applications like these need the best: Parker's new 791TC Extreme Hose. With a constant working pressure of 6000 psi, no other hose offers a higher level of performance, or a tighter bend radius. The end result? You use less hose and spend less money to handle even the most demanding conditions safely and reliably. Plus Parker's abrasion-resistant Tough Cover prolongs hose life, guarding against hose-to-hose and hose-to-object wear.



Features and benefits

- Meets or exceeds SAE 100R15 and ISO 3862-1 Type R15 specifications.
- Constant 6000 psi working pressure.
- Rugged Tough Cover is specially engineered to resist abrasion in aggressive environments, prolonging hose life.
- No-Skive design eliminates the need to remove the hose cover before crimping.
- Unique three-color layline makes hose easy to identify.

Construction

Oil-resistant Neoprene synthetic rubber inner tube; four or six spirals of high-tensile

steel wire reinforcement; oil-, weather-, and abrasion-resistant black synthetic MSHA-accepted rubber cover.

Application and temperature range

- Petroleum-base hydraulic fluids and lubricating oils within a temperature range of -40°F to +257°F (-40°C to +125°C).
- Water, water/oil emulsion and water/glycol hydraulic fluids up to +185°F (+85°C).
- Air up to +158°F (+70°C); for air above 250 psi (1,7 MPa), the cover should be pin pricked.

Parkrimp crimpers and 79 Series fittings

Parker's 791TC hose is compatible with our one-piece 79 Series Monoblok™ fittings. Manufactured from a single piece of steel, 79 Series fittings eliminate potential leak paths.

Parker 791TC and 79 Series fittings can be crimped with several of Parker's Parkrimp crimpers. So leak-free assemblies are just 1-2-3 easy steps away.



79 Series fittings feature a corrosion-resistant zinc dichromate coating and are available in the end connections you need, including SAE Code 62 flange and Seal-Lok®.

# Part Number	Nominal Hose I.D.		Nominal Hose O.D.		Maximum Working Pressure		Minimum Burst Pressure		Minimum Bend Radius		Weight		Crimp Fitting Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	lbs/ft	kg/m	
791TC-12	3/4	19,0	1.26	32,1	6000	42,0	24000	168,0	8	200	1.07	1,59	79
791TC-16	1	25	1.52	38,7	6000	42,0	24000	168,0	10	250	1.48	2,20	79
791TC-20	1 1/4	31,5	1.97	50,1	6000	42,0	24000	168,0	10	250	2.48	3,69	79
791TC-24*	1 1/2	38	2.23	56,5	6000	42,0	24000	168,0	12	305	3.22	4,79	79

*791TC-24 is factory crimp ONLY.

⚠ WARNING

Failure or improper selection or improper use of hose, tubing, fittings, assemblies or related accessories ("Products") can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed
- High velocity fluid discharge
- Explosion or burning of the conveyed fluid
- Electrocutation from high voltage electric power lines
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid
- Injections by high-pressure fluid discharge
- Dangerously whipping Hose
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious
- Sparking or explosion caused by static electricity buildup or other sources of electricity
- Sparking or explosion while spraying paint or flammable liquids
- Injuries resulting from inhalation, ingestion or exposure to fluids

Before selecting or using any of these Products, it is important that you read and follow Parker Safety Guide for Selecting and Using Hose, Tubing, Fittings and Related Accessories (Parker Publication No. 4400-B.1- Revised May, 2002). Only Hose from Parker's Stratoflex Products Division is approved for in flight aerospace applications, and no other Hose can be used for such in flight applications.

Distributed by:

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