

- One-half SAE 100R2 minimum bend radius
- Exceeds SAE 100R16 and European EN857 Type 2SC requirements*
- Specially engineered TC and ST covers prolong hose life

Product Bulletin

Parker 471TC and 471ST High-Impulse Hoses



We Keep Ideas Flowing™

Bulletin No. 4480-B51-US September, 2001

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Parker
FluidConnectors™

New Parker 471TC and 471ST are the hoses that get you into the tight spots.

Whether your business is construction, refuse and recycling, railroad equipment, or the energy industry, Parker 471TC and 471ST are the hoses designed to meet your customers' high-pressure needs...around the world.



Superior flexibility, tight bend radius — Designed for plumbing hydraulic lines in tight spaces, Parker 471TC and 471ST feature a one-half SAE 100R2 minimum bend radius which equates to easy installation and less hose required.

Your choice of covers — Parker 471TC comes with our Tough Cover compound, while 471ST features Parker's Super Tough cover for the ultimate in abrasion resistance. So you can select your level of abrasion resistance.

Increased pressure — Engineered to handle high impulse and pressure applications, Parker 471TC and 471ST have a 15% to 35% higher working pressure versus standard SAE 100R2 hose.

Unmatched Parker quality and service — When you order 471TC and 471ST hoses, you get the finest hose plus the full support of Parker's network of service centers, training programs, prototyping, field representatives, and more. In short, you get the best value.

Construction

471TC hose features an oil-resistant Nitrile-based synthetic rubber tube; multiple high-tensile steel wire reinforcements; and an oil-, weather-, and abrasion-resistant black MSHA-accepted synthetic rubber cover. 471ST features the same construction except for a high abrasion-resistant Super Tough polymeric cover.

Applications and temperature ranges

- Petroleum-based hydraulic fluids and lubrication oils within a temperature range of -40°F to +212°F (-40°C to +100°C).
- Water, water/oil emulsion, and water/glycol hydraulic fluids up to +185°F (+85°C).
- Air up to +158°F (+70°C).

Parkrimp compatible

Parker 43 Series crimp fittings, 471TC hose, and 471ST hose are compatible with the Parkrimp system of crimpers. So assembly is as simple as 1-2-3.



# Part Number	Hose I.D.		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		
471TC-4*	471ST-4*	1/4	6,3	0.52	13	5000	35,0	20000	140,0	2	50	0.20	0,30	43
471TC-6	471ST-6	3/8	10	0.68	17	5000	35,0	20000	140,0	2 1/2	65	0.28	0,42	43
471TC-8	471ST-8	1/2	12,5	0.80	20	4250	29,7	17000	119,0	3 1/2	90	0.35	0,52	43
471TC-10	471ST-10	5/8	16	0.94	24	3625	25,0	14500	100,0	4	100	0.44	0,66	43
471TC-12	471ST-12	3/4	19	1.09	28	3125	21,5	12500	86,0	4 3/4	120	0.58	0,86	43
471TC-16	471ST-16	1	25	1.39	35	2500	17,5	10000	70,0	6	150	0.79	1,17	43

NOTE: The silver die ring must be used when crimping 43 Series Parkrimp fittings onto 471TC and 471ST hoses.
 *-4 sizes do not meet EN857 Type 2SC requirements.

DANGER

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

Before selecting or using any Parker hose or fittings or related accessories, it is important that you read and follow Parker Safety Guide for Selecting and Using Hoses, Fittings, and Related Accessories (Parker Publication No. 4400-B.1).

Distributed by:

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