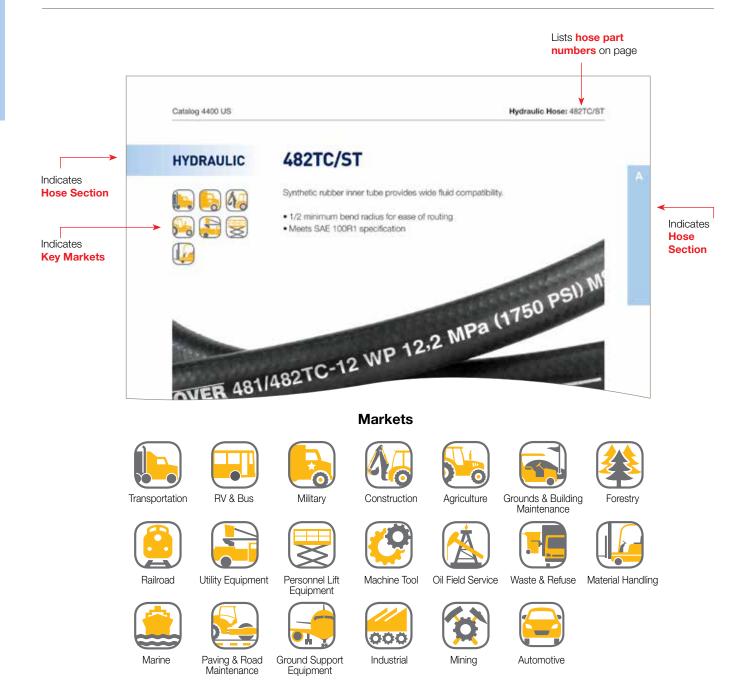
How to read the hose section

Parker offers a wide variety of hoses including braided, spiral, multi-purpose, transportation, refrigerant, LP gas and more. Parker's product line has been tested and approved to meet and exceed global standards. Our hoses range in size from 3/16" to 3" I.D. and are compatible with crimp and field-attachable style fittings. Specific hose information is displayed throughout Catalog 4400

Hose Section. Hose page content is defined by the information shown below. Please take a moment and review



Catalog Sections Hose Section Accessories Section Fittings Section Technical Section Equipment Section

Parker Hose Nomenclature

Example: 451TC-8

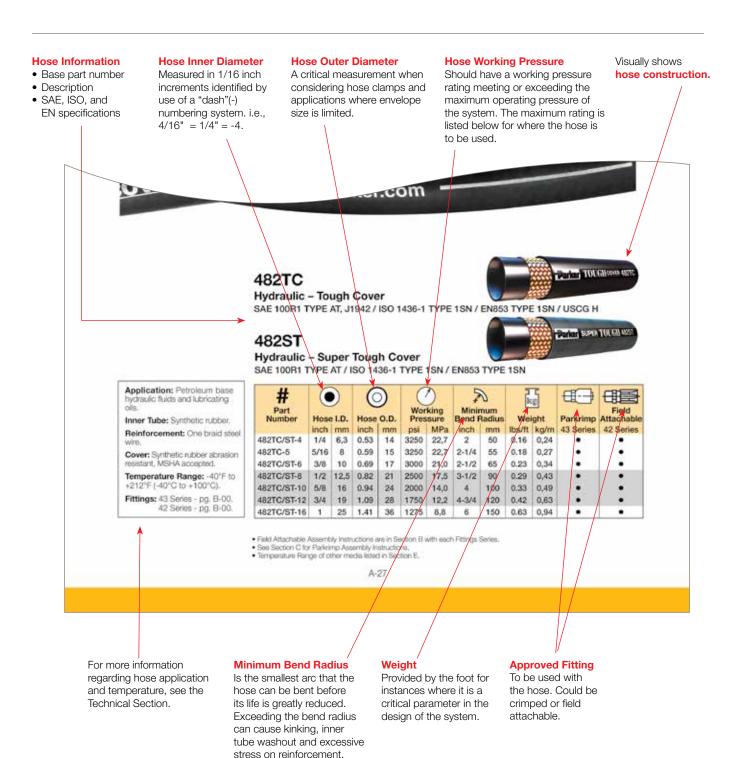
451TC-8 - Hose Type

451**TC**-8 - Indicates the special feature of the hose

(in this case, 'Tough Cover')

451TC-8 - Hose inside diameter dash size

(in this case, 8/16" or 1/2")



Hydraulic Hose: 451TC/ST

HYDRAULIC

451TC/ST, 451TC Twin Tough

























Parker 451TC and 451ST hydraulic hoses are what to specify when abrasion resistance and ease of use are required. Plus, you can choose the cover that provides the abrasion resistance for your application.

- One-half SAE 100R1 minimum bend radius flexible, easy to work with and install
- Specially engineered TC and ST covers prolong hose life and minimize downtime
- 3,000 psi constant working pressure in all sizes
- Exceeds SAE 100R17 specification

Parker TOUGH COVER 451TC-12 W

451TC

Hydraulic - Tough Cover

SAE 100R17, J1942 / ISO 11237 - 1 TYPE R17 - Constant Working Pressure / USCG HF / ABS



Parker SUPER TOWARD S

451ST

Hydraulic - Super Tough Cover

SAE 100R17 / ISO 11237 - 1 TYPE R17 - Constant Working Pressure

Application: Petroleum base hydraulic fluids and lubricating

Inner Tube: Synthetic rubber. Reinforcement: One or two braid steel wire (4-spiral for size

Cover: Synthetic rubber abrasion resistant, MSHA accepted.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Fittings: 43 Series - pg. B-27.

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		kg Weight		Parkrimp
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series
451TC/ST-4	1/4	6,3	0.52	13	3000	21,0	2	50	0.16	0,24	•
451TC/ST-6	3/8	10	0.68	17	3000	21,0	2-1/2	65	0.23	0,34	•
451TC/ST-8	1/2	12,5	0.80	20	3000	21,0	3-1/2	90	0.35	0,52	•
451TC/ST-10	5/8	16	0.94	24	3000	21,0	4	100	0.44	0,66	•
451TC/ST-12	3/4	19	1.10	28	3000	21,0	4-3/4	120	0.58	0,86	•
451TC/ST-16	1	25	1.40	35	3000	21,0	6	150	0.79	1,17	•
451TC/ST-20	1-1/4	31,5	1.85	47	3000	21,0	8-1/4	210	1.50	2,23	•

See Section C for Parkrimp Assembly Instructions.

[•] Temperature Range of other media listed in Section E.