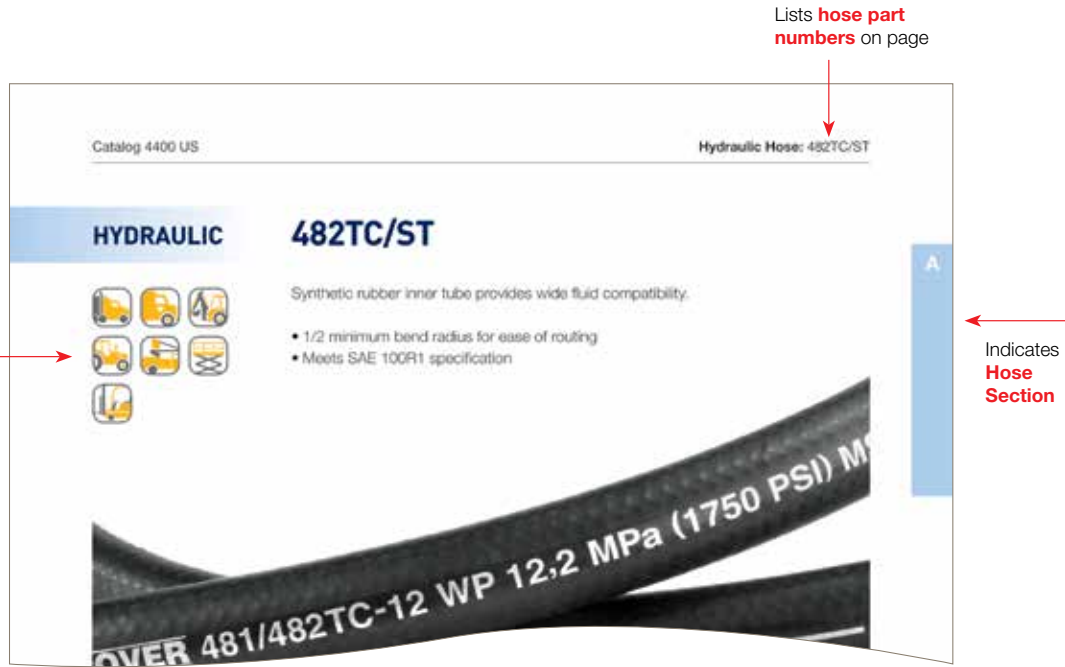


# How to read the hose section

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.



## Markets



## Performance Legend



## 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")

A

B

C

D

E

### Hose Information

- Base part number
- Description
- SAE, ISO, and EN specifications

### Hose Inner Diameter

Measured in 1/16 inch increments identified by use of a "dash"(-) numbering system. i.e., 4/16" = 1/4" = -4.

### Hose Outer Diameter

A critical measurement when considering hose clamps and applications where envelope size is limited.

### Hose Working Pressure

Should have a working pressure rating meeting or exceeding the maximum operating pressure of the system. The maximum rating is listed below for where the hose is to be used.

Visually shows **hose construction**.

**482TC**  
Hydraulic - Tough Cover  
SAE 100R1 TYPE AT, J1942 / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN / USCG H

**482ST**  
Hydraulic - Super Tough Cover  
SAE 100R1 TYPE AT / ISO 1436-1 TYPE 1SN / EN853 TYPE 1SN

# Part Number	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Fittings	
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	42 Series
482TC/ST-4	1/4	6,3	0,53	14	3250	22,7	2	50	0,16	0,24	•	•
482TC-5	5/16	8	0,59	15	3250	22,7	2-1/4	55	0,18	0,27	•	•
482TC/ST-6	3/8	10	0,69	17	3000	21,0	2-1/2	65	0,23	0,34	•	•
482TC/ST-8	1/2	12,5	0,82	21	2500	17,5	3-1/2	90	0,29	0,43	•	•
482TC/ST-10	5/8	16	0,94	24	2000	14,0	4	100	0,33	0,49	•	•
482TC/ST-12	3/4	19	1,09	28	1750	12,2	4-3/4	120	0,42	0,63	•	•
482TC/ST-16	1	25	1,41	36	1275	8,8	6	150	0,63	0,94	•	•

**Application:** Petroleum base hydraulic fluids and lubricating oils.  
**Inner Tube:** Synthetic rubber.  
**Reinforcement:** One braid steel wire.  
**Cover:** Synthetic rubber abrasion resistant, MSHA accepted.  
**Temperature Range:** -40°F to +212°F (-40°C to +100°C).  
**Fittings:** 43 Series - pg. B-00, 42 Series - pg. B-00.

• Field Attachable Assembly Instructions are in Section B with each Fittings Series.  
 • See Section C for Parkrimp Assembly Instructions.  
 • Temperature Range of other media listed in Section E.

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For more information regarding hose application and temperature, see the Technical Section.

### Minimum Bend Radius

Is the smallest arc that the hose can be bent before its life is greatly reduced. Exceeding the bend radius can cause kinking, inner tube washout and excessive stress on reinforcement.

### Weight

Provided by the foot for instances where it is a critical parameter in the design of the system.

### Approved Fitting

To be used with the hose. Could be crimped or field attachable.