

## HYDRAULIC

## 451TC/ST, 451TC Twin Tough

## Markets



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



## Performance



## 451TC

## Hydraulic – Tough Cover

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



## 451ST

## Hydraulic – Super Tough Cover

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



| #<br>Part<br>Number | Hose I.D. |      | Hose O.D. |    | Working<br>Pressure |      | Minimum<br>Bend Radius |     | Weight |      | Parkrimp<br>43 Series |
|---------------------|-----------|------|-----------|----|---------------------|------|------------------------|-----|--------|------|-----------------------|
|                     | inch      | mm   | inch      | mm | psi                 | MPa  | inch                   | mm  | lbs/ft | kg/m |                       |
| 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 | ●                     |

**Application:** Petroleum base hydraulic fluids and lubricating oils.

**Inner Tube:** Synthetic rubber.

**Reinforcement:** One or two braid steel wire (4-spiral for size -20).

**Cover:** Synthetic rubber abrasion resistant, MSHA accepted.

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

**Fittings:** 43 Series - pg. B-25.

- See Section C for Parkrimp Assembly Instructions.
- Temperature Range of other media listed in Section E.