451TC

No-Skive Tough Cover

ISO 11237 Type R17 – SAE 100R17



- *No-Skive* thin cover hose construction
- Constant working pressure of 21.0 MPa
- Highly abrasion resistant TOUGH COVER
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections
- Nitrile (NBR) inner tube – extended fluid compatibility

Primary Applications

General medium pressure hydraulic applications where higher abrasion resistance is required.

Type Approvals

Details please find on pages ***Ab-16*** to ***Ab-19***

Applicable Specifications

ISO 11237 Type R17 – SAE 100R17

Construction

Tube: Nitrile (NBR)
Reinforcement: One or two high-tensile steel wire braids
Cover: MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +100 °C

Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.
Consult the chemical compatibility section on pages ***Ab-22*** to ***Ab-30*** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
451TC-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
451TC-6	10	3/8	-6	9.5	17.2	21.0	3000	84.0	12000	65	0.34
451TC-8	12	1/2	-8	12.7	20.4	21.0	3000	84.0	12000	90	0.52
451TC-10	16	5/8	-10	15.9	23.8	21.0	3000	84.0	12000	100	0.66
451TC-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
451TC-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17

Replace the hose when any deformation or damage on the hose cover are visible.
The combination of high temperature and high pressure could reduce the hose life.
Also available on reels under part number 451-xx-RL

Hose

Hose layline example

Parker TOUGH COVER 451TC-10 WP 21,0 MPa (3000 PSI) MSHA IC-40/26 | • • SAE100R17-10 16 mm

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