471TC / 472TC

No-Skive

EN 857 2SC – ISO 11237 Type 2SC



- *No-Skive* hose construction – Compact design
- 472TC: Nitrile (NBR) inner tube – extended fluid compatibility
- Reduced bend radii
- Highly abrasion resistant TOUGH COVER
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

Small bending radii demanding medium pressure hydraulic applications

Type Approvals

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

Applicable Specifications

EN 857 2SC – ISO 11237 Type 2SC

Construction

Tube 471TC: Synthetic rubber
Tube 472TC: Nitrile (NBR)
Reinforcement: 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
471TC-4	6	1/4	-4	6.4	13	40.0	5800	160.0	23200	50	0.30
471TC-5	8	5/16	-5	7.9	15	36.0	5250	144.0	21000	55	0.35
471TC-6	10	3/8	-6	9.5	17	35.0	5075	140.0	20000	65	0.42
471TC-8	12	1/2	-8	12.7	20	29.7	4250	119.0	17000	90	0.52
471TC-10	16	5/8	-10	15.9	24	25.0	3625	100.0	14500	100	0.66
471TC-12	19	3/4	-12	19.1	28	21.5	3125	86.0	12500	120	0.86
471TC-16	25	1	-16	25.4	35	17.5	2500	70.0	10000	150	1.17
472TC-20	31	1 1/4	-20	31.8	45	15.7	2250	63.0	9000	210	2.01
472TC-24	38	1 1/2	-24	38.1	51	12.5	1800	50.0	7200	250	2.16
472TC-32	51	2	-32	50.8	65	9.0	1300	36.0	5200	315	2.90

Replace the hose when any deformation or damages on the hose cover are visible.
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



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