301TC

No-Skive Tough Cover

EN 853 2SN – ISO 1436 Type 2



- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube – extended fluid compatibility
- 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

General medium pressure hydraulic applications where high abrasion is required

Type Approvals

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

Applicable Specifications

EN 853 2SN – ISO 1436 Type 2 – SAE 100R2AT

Construction

Tube: 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
301TC-4	6	1/4	-4	6.4	15.0	40.0	5800	160.0	23200	100	0.39
301TC-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42
301TC-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55
301TC-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67
301TC-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77
301TC-12	19	3/4	-12	19.1	29.3	21.5	3100	86.0	12400	240	1.00
301TC-16	25	1	-16	25.4	38.1	16.5	2400	66.0	9600	300	1.49
301TC-20	31	1 1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
301TC-24	38	1 1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
301TC-32	51	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96

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.

Hose layline example

Parker TOUGH COVER 301TC-8 WP 27,5 MPa (4000 PSI) MSHA IC 40/26 | • • SAE100R2AT-8 12,5 mm

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