

301SN

No-Skive

DIN EN 853 2SN – ISO 1436 Type 2

Primary Applications

General medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

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

Construction

Tube: Nitrile (NBR)
Reinforcement: Two high tensile steel wire braids
Cover: Synthetic rubber

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

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

- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
– extended fluid compatibility
- Suitable with 48 series fittings

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				 min. bend radius	 weight
						 max. dynamic working pressure		 min. burst pressure			
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
301SN-4	6	1/4	-4	6.3	15.0	40.0	5800	160.0	23200	100	0.39
301SN-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42
301SN-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55
301SN-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67
301SN-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77
301SN-12	20	3/4	-12	19.1	29.3	21.5	3100	86.0	12400	240	1.00
301SN-16	25	1	-16	25.4	38.1	16.5	2400	66.0	9600	300	1.49
301SN-20	32	1-1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
301SN-24	40	1-1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
301SN-32	50	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96

The combination of high temperature and high pressure could reduce the hose life.