

# Balflex<sup>®</sup> DIN EN 853 1SN / SAE 100R1AT



## Balflex<sup>®</sup> DIN EN 853 1SN / SAE 100R1AT – 10.1002.

According to ISO 1436 / DIN EN 853 type 1SN / SAE J517 type SAE 100R1 AT

### High pressure, single steel braid reinforced hydraulic hose



- Inner tube:** seamless oil resistant synthetic rubber
- Reinforcement:** 1 high tensile steel wire braid
- Outer tube:** black, oil, weather and abrasion resistant synthetic rubber
- Safety factor:** 4: 1
- Application:** petroleum base hydraulic fluids
- Temperature range:** - 40°C (- 40°F) + 100°C (+ 212°F); Intermittent service: + 120°C (+ 248°F)  
Max. temperature recommended for water base hydraulic fluids: + 70°C (+ 158°F)  
Max. temperature recommended for air: + 60°C (+ 140°F)
- Couplings:** Balflex<sup>®</sup> crimped fittings 23 serie with ferrules 20 serie. Multicrimp P23 serie

part number	Ø nom.	dash size	Ø internal		Ø external		working pressure		min. burst pressure		min. bend radius		weight
			mm	inch	mm	inch	MPa	PSI	MPa	PSI	mm	inch	
10.1002.03	3/16"	- 3	4,8	0.19	11,8	0.47	25.0	3625	100.0	14500	89	3.5	0,23
10.1002.04	1/4"	- 4	6,3	0.25	13,4	0.53	22.5	3260	90.0	13040	100	3.9	0,26
10.1002.05	5/16"	- 5	8,0	0.31	15,0	0.59	21.5	3115	85.0	12460	114	4.5	0,30
10.1002.06	3/8"	- 6	9,5	0.38	17,4	0.69	18.0	2610	72.0	10440	127	5.0	0,36
10.1002.08	1/2"	- 8	12,7	0.50	20,7	0.81	16.0	2320	64.0	9280	178	7.0	0,46
10.1002.10	5/8"	- 10	16,0	0.63	23,8	0.93	13.0	1885	52.0	7540	200	7.9	0,56
10.1002.12	3/4"	- 12	19,0	0.75	27,8	1.09	10.5	1520	42.0	6080	240	9.4	0,74
10.1002.16	1"	- 16	25,4	1.00	35,9	1.40	8.8	1275	35.0	5100	300	11.8	1,06
10.1002.20	1.1/4"	- 20	32,0	1.25	43,8	1.71	6.3	910	25.0	3640	419	16.5	1,36
10.1002.24	1.1/2"	- 24	38,0	1.50	51,1	1.99	5.0	725	20.0	2900	500	19.7	1,65
10.1002.32	2"	- 32	50,8	2.00	64,5	2.52	4.0	580	16.0	2320	630	24.8	2,05
10.1002.40	2.1/2"	- 40	63,5	2.50	79,0	3.11	3.0	435	12.0	1740	760	30.4	2,89
10.1002.48	3"	- 48	76,2	3.00	92,0	3.62	2.0	290	8.0	1160	900	36.0	3,43

Note: Sizes - 40 (2.1/2") and - 48 (3") not included in the standards.

Balflex<sup>®</sup> hydraulic hose DIN EN 853 1SN / SAE 100R1AT has a very superior working and burst pressure compared with only SAE 100R1AT

COVER: U.S. MSHA APPROVED

Construction characteristics and dimensions may be changed at any time without prior notice.

The data contained herein is information purposes only and does not enlarge, amend or imply any warranty other than provided by the manufacturer with the product. Any use of the product not in conformance with the manufacturer's instructions may be dangerous.

Only items in this catalogue are carried in stock. Some items are subjected to minimum quantities or sold only in multiples of standard quantities. Please refer to the price list or contact our commercial department.

**Balflex<sup>®</sup> – The European Technology**