

SHIELDMASTER/4000

OUTSTANDING ABRASION RESISTANCE



KEY FEATURES

- Outstanding abrasion and ozone resistance
- Compact overall dimensions
- Easy assembling and mounting operations (no protection sleeves required)
- Isobaric pressure rating
- FROST suitable for very cold environments

APPLICATIONS & FLUIDS



- High pressure hydraulic lines
- High resistance to abrasion conditions, including rubbing among hoses in bunches, alternative to spring guards, ease of cleaning in dusty environments
- For severe environmental conditions, long resistance to ozone and weathering, cold temperatures, dirty industrial environments
- Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

TECHNICAL DATA

PART. REF.	HOSE SIZE			R.O.D.		O.D.		MAX W.P.		BURST		MIN. BEND		WEIGHT		FITTINGS	
	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std1	Std2
H01031006*	6	- 4	1/4"	11,6	0,46	13,6	0,54	276	4000	1110	16090	50	1,97	275	0,18	MF+M00120-04	
H01031008*	8	- 5	5/16"	12,9	0,51	14,9	0,59	276	4000	1110	16090	57	2,24	324	0,22	MF+M00120-05	
H01031010*	10	- 6	3/8"	15,4	0,61	17,4	0,69	276	4000	1110	16090	63	2,48	400	0,27	MF+M00120-06	
H01031012*	12	- 8	1/2"	18,5	0,73	20,5	0,81	276	4000	1110	16090	80	3,15	510	0,34	MF+M00120-08	
H01031016*	16	- 10	5/8"	22,7	0,89	24,7	0,97	276	4000	1110	16090	90	3,54	730	0,49	MF+M00120-10	
H01031019*	19	- 12	3/4"	27,1	1,07	29,3	1,15	276	4000	1110	16090	120	4,72	1070	0,72	MF+M00120-12	
H01031025*	25	- 16	1"	35,1	1,38	38,1	1,50	276	4000	1110	16090	267	10,51	1950	1,31	MF+M00930-16	
H01031031*	31	- 20	1.1/4"	43,8	1,72	47,0	1,85	276	4000	1110	16090	400	15,75	2590	1,74	MF+M00920-20	
H01031038*	38	- 24	1.1/2"	50,0	1,97	53,5	2,11	276	4000	1110	16090	500	19,69	3160	2,12	MF+M00910-24	
H01031051*	51	- 32	2"	63,5	2,50	68,0	2,68	276	4000	1110	16090	700	27,56	4580	3,08	IP+M01500-32	

CONTINUOUS SERVICE TEMPERATURE RANGE

-50 °F / 212 °F
-46 °C / 100 °C

MAX OPERATING TEMPERATURE

125 °C, 257 °F

MIN EXTERNAL TEMPERATURE

-55 °C, -67 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Two high tensile steel braids (DN 6÷19). Four high tensile steel spirals (DN 25+51)

COVER

Composite bi-layer structure with outstanding abrasion resistance

APPLICABLE SPECS

MANULI® Design

TYPE APPROVALS

CU-TR



Remarks:

Applications with materials projection or winding on low bend radius pulley systems should be field tested before use; high abrasion resistant rubber cover hoses are appropriate in most cases.