

SHIELDMASTER/2 PLUS MINE

OUTSTANDING ABRASION RESISTANCE, MSHA APPROVED



HOSES

H 17-1

KEY FEATURES

- MSHA approved composite cover for mining applications
- Outstanding abrasion and ozone resistance
- Easy assembling and mounting operations, no protection sleeves are required
- Indelible branding technology
- Reduced bend radius for difficult installations
- Flame retardant and electrical antistaticity cover properties

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 mining environments, underground and open pit, long resistance to ozone and weathering, cold temperatures, antistatic and flame retardant properties of the cover
- 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
H01122006*	6	- 4	1/4"	11,3	0,44	12,7	0,50	450	6520	1800	26100	45	1,77	285	0,19	MF+M03400-04	
H01122008*	8	- 5	5/16"	12,9	0,51	14,3	0,56	400	5800	1600	23200	85	3,35	330	0,22	MF+M00120-05	
H01122010*	10	- 6	3/8"	16,7	0,66	18,5	0,73	400	5800	1600	23200	127	5,00	549	0,37	MF+M00910-06	
H01122012*	12	- 8	1/2"	20,1	0,79	22,1	0,87	362	5250	1450	21030	150	5,91	710	0,48	MF+M00910-08	
H01122019*	19	- 12	3/4"	27,1	1,07	29,3	1,15	310	4490	1240	17980	230	9,06	1090	0,73	MF+M00920-12	OPK-12
H01122025*	25	- 16	1"	35,1	1,38	37,8	1,49	240	3480	960	13920	300	11,81	1610	1,08	MF+M00930-16	OPK-16
H01122031*	31	- 20	1.1/4"	44,5	1,75	47,2	1,86	175	2530	700	10150	380	14,96	2170	1,46	MF+M00920-20	OPK-20
H01122038*	38	- 24	1.1/2"	51,0	2,01	53,7	2,11	146	2110	584	8470	450	17,72	2520	1,69	MF+M00910-24	
H01122051*	51	- 32	2"	62,8	2,47	65,5	2,58	130	1880	520	7540	600	23,62	3170	2,13	MF+M00910-32	

CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °F / 212 °F
-40 °C / 100 °C

MAX OPERATING TEMPERATURE

125 °C, 257 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

Two wire braids of high tensile steel wire

COVER

Composite bi-layer structure with outstanding abrasion and ozone resistance

APPLICABLE SPECS

EN 853 type 2SN; ISO 1436 2SN; SAE J517 100R2AT. Exceed performances of: BCS 174 (British Coal Specification '92); ISO 6805 type 4 (Rubber hoses and hose assemblies for underground mining)

TYPE APPROVALS

MSHA; 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.