

FOREMASTER/42

EXTREME SCRATCHING RESISTANCE



PART REF.		HOSE SIZE			R.O.D		O.D		MAX. W.P		BURST		MIN. BEND		WEIGHT		FITTINGS	
HF PN	MANULI PN	DN	dash	inch	mm	inch	mm	inch	bar	psi	bar	psi	mm	inch	g/m	lb/ft	Std 1	Std 2
FM42-04	H10134006*	6	– 4	1/4"	11.3	0.44	13.1	0.51	420	6,090	1,680	24,366	45.0	1.77	284	0.19	MF + M00120-04	–
FM42-06	H10134010*	10	– 6	3/8"	17.6	0.69	20.0	0.78	420	6,090	1,680	24,366	100.0	3.93	684	0.46	MF + M00920-06	–
FM42-08	H10134012*	12	– 8	1/2"	20.3	0.79	22.7	0.89	420	6,090	1,680	24,366	120.0	4.72	797	0.54	MF + M00910-08	MF + M03500-08
FM42-10	H10134016*	16	– 10	5/8"	23.9	0.94	26.4	1.03	420	6,090	1,680	24,366	140.0	5.51	982	0.66	IP + M01500-10	SP + M05400-10
FM42-12	H10134019*	19	– 12	3/4"	27.7	1.09	31.9	1.25	420	6,090	1,680	24,366	150.0	5.9	1,356	0.91	IP + M01500-12	–
FM42-16	H10134025*	25	– 16	1"	35.0	1.37	39.0	1.53	420	6,090	1,680	24,366	210.0	8.26	2,079	1.4	IP + M01500-16	–
FM42-20	H10134031*	31	– 20	1.1/4"	42.2	1.66	46.6	1.83	420	6,090	1,680	24,366	260.0	10.23	2,472	1.66	IP + M01500-20	–
FM42-24	H10134038*	38	– 24	1.1/2"	53.2	2.09	58.2	2.29	420	6,090	1,680	24,366	310.0	12.2	4,536	3.05	IP + M01600-24	–
FM42-32	H10134051*	51	– 32	2"	68.9	2.71	73.5	2.89	420	6,090	1,680	24,366	500.0	19.68	7,325	4.92	IS + M02700-32	–

KEY FEATURES

- Extremely high abrasion resistance, long life before reinforcement scratching
- Special composite cover layer with textile reinforcement for maximum resistance in harsh environments
- Very low bend radius to suit restricted space installations
- Good flexibility across the whole temperature range
- Easy mounting in any installation
- Highly robust and compact hose structure compared to rated pressure
- High resistance to environmental agents
- High impulse resistance according to ISO 18752 requirements

APPLICATIONS & FLUIDS

- High pressure power lines for general hydraulics
- Designed for forestry machines, booms and harvester heads, harsh environments and severe abrasion
- Mineral oils, vegetable oils and synthetic ester based oils (up to 100°C/212°F), glycols and polyglycols, mineral oils in aqueous emulsion, water

CONTINUOUS SERVICE TEMPERATURE RANGE

-46 °C, -50 °F
121 °C, 250 °F

TUBE

Oil resistant synthetic rubber

REINFORCEMENT

DN 6: two wire braids, DN 10 to 31: four high tensile steel spirals; DN 38 , 51: six high tensile steel spirals

COVER

DN 6-16 – R.O.C.
Synthetic rubber with extreme abrasion and ozone resistance
DN 19 and larger – ARMOURED
Synthetic rubber composite cover with textile reinforcement, high abrasion and very high scratch resistance

APPLICABLE SPECS

Manuli® Design, ref. ISO 18752-C

TYPE APPROVALS

MSHA; CU-TR