



### 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	Std 1	Std 2
H80002019	19	-12	3/4"	-	-	29.0	1.14	21	300	84	1,210	80	3.15	533	0.36	MF+M00321-12	
H80002025	25	-16	1"	-	-	35.5	1.40	17	240	70	1,010	100	3.94	666	0.45	MF+M00930-16	
H80002031	31	-20	1.1/4"	-	-	42.5	1.67	14	200	56	810	130	5.12	812	0.55	MF+M00920-20	
H80002038	38	-24	1.1/2"	-	-	49.0	1.93	11	160	44	630	170	6.69	1,047	0.70	MF+M00910-24	
H80002051	51	-32	2"	-	-	62.0	2.44	7	100	28	400	200	7.87	1,414	0.95	MF+M00910-32	
H80002063	63	-40	2.1/2"	-	-	76.0	2.99	4	60	17	240	235	9.25	2,357	1.58	MF+M03400-40	
H80002076	76	-48	3"	-	-	88.0	3.46	4	60	17	240	300	11.81	2,712	1.82	MF+M03400-48	
H80002090	89	-56	3.1/2"	-	-	103.5	4.07	3	40	12	170	350	13.78	3,465	2.33	MF+M03400-56	
H80002102	102	-64	4"	-	-	115.0	4.53	3	40	12	170	400	15.75	3,832	2.58	MF+M03400-64	

### KEY FEATURES

- Hardwall hose used for the suction and delivery of hydraulic oils
- High robustness of hose structure
- Long lasting in severe applications
- Resistance to Vacuum
- Improved minimum bend radius
- Max. length: 60m

### APPLICATIONS & FLUIDS

- Hydraulics: suction lines, return lines
- Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

### CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

100 °C, 212 °F

### MAX. OPERATING TEMPERATURE

100 °C, 212 °F

### TUBE

NBR synthetic rubber

### REINFORCEMENT

High tensile synthetic cord, helix body wire

### COVER

CONVENTIONAL

Weather resistant synthetic rubber

### APPLICABLE SPECS

SAE J517 100 R4, Manuli® Design; two-thirds the SAE J517 100R4 minimum bend radius

### TYPE APPROVALS

CU-TR



### 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	Std 1	Std 2
H80003019	19	-12	3/4"	-	-	28.5	1.12	25	360	100	1,450	80	3.15	530	0.36	MF+M00321-12	
H80003025	25	-16	1"	-	-	35.0	1.38	25	360	100	1,450	100	3.94	672	0.45	MF+M00930-16	
H80003031	31	-20	1.1/4"	-	-	42.0	1.65	17	250	70	1,010	130	5.12	836	0.56	MF+M00920-20	
H80003038	38	-24	1.1/2"	-	-	48.5	1.91	17	250	70	1,010	170	6.69	1,098	0.74	MF+M00910-24	
H80003051	51	-32	2"	-	-	61.5	2.42	10	150	42	600	200	7.87	1,408	0.95	MF+M00910-32	
H80003063	63	-40	2.1/2"	-	-	75.0	2.95	10	150	42	600	235	9.25	2,250	1.51	MF+M03400-40	
H80003076	76	-48	3"	-	-	87.5	3.44	7	100	28	400	300	11.81	2,703	1.82	MF+M03400-48	
H80003090	89	-56	3.1/2"	-	-	103.0	4.06	5	70	21	300	350	13.78	3,683	2.47	MF+M03400-56	
H80003102	102	-64	4"	-	-	114.5	4.51	5	70	21	300	400	15.75	3,937	2.65	MF+M03400-64	

### KEY FEATURES

- Hardwall hose used for the suction and delivery of hydraulic oils
- Improved minimum bend radius
- Higher working pressure than SAE J517 100R4 spec.
- Long lasting in severe applications
- Resistance to Vacuum
- Special rubber compounds for high aging resistance
- Max. length: 60m

### APPLICATIONS & FLUIDS

- Hydraulics: suction lines, return lines
- Mineral oils, vegetable and rape seed oils, glycol and polyglycol based oils, synthetic ester based oils, oils in aqueous emulsion, water

### CONTINUOUS SERVICE TEMPERATURE RANGE

-40 °C, -40 °F

135 °C, 275 °F

### MAX. OPERATING TEMPERATURE

135 °C, 275 °F

### TUBE

Special synthetic rubber

### REINFORCEMENT

High tensile synthetic cord, helix body wire

### COVER

Weather and ozone resistant synthetic rubber, flame retardant with high heat resistance

### APPLICABLE SPECS

SAE J517 100 R4, Manuli® Design; two-thirds the SAE J517 100R4 minimum bend radius

### TYPE APPROVALS

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