



DIAMONDSPIR/35

VERY HIGH HYDRAULIC POWER TRANSMISSION



HOSES
42

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
H10103063*	63	-40	2.1/2"	80.6	3.17	84.8	3.34	350	5,070	1,400	20,300	800	31.50	8,105	5.45	IP+M01810-40	
H10103076*	76	-48	3"	97.9	3.85	101.9	4.01	350	5,070	1,400	20,300	1,000	39.37	12,249	8.23	IS+M02700-48	IS+M02800-48

KEY FEATURES

- Very high flow rates in high pressure hydraulics
- Extremely robust hose structure
- Compact hose dimensions
- Approved with severe fatigue tests
- Superior abrasion resistance
- High ozone and weather resistance
- Flame retardant (MSHA) and antistatic properties
- Biological and mineral oils compatibility
- Crimped Interlock Plus & Interlock Super fitting structures

APPLICATIONS & FLUIDS

- Hydraulics: heavy duty power lines, hydrostatic transmissions in severe environmental conditions, specific installations with tough abrasion conditions, off-shore applications, underground and open pit mining
- 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

Six to eight high tensile wire spirals

COVER

STRONG - TYPE "SC"

Synthetic rubber with high abrasion, ozone, weather and heat resistance and an extended operational temperature range

APPLICABLE SPECS

Manuli® Design, ISO 18752-C Ext.

TYPE APPROVALS

CU-TR; MSHA; MA; CCS;ABS; DNV-GL; FRAS