

**PH177 - SAE 100 R12**

**Applicable Standard :** SAE J517 - 100R12 / EN 856 - R12 / ISO 3862



**Construction :**

**Inner tube :** Black colour, Synthetic rubber resistant to oil and water

**Reinforcement :** Four high tensile steel wire spiral

**Cover :** Black colour, Synthetic rubber resistant to abrasion and weather, oil & ozone

**Application :** Heavy duty high temperature medium pressure hydraulic lines 175 to 280 bar and hydrostatic transmission lines for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Earthmoving, Material handling equipment and machineries / systems

Cover Options
PH177 : MSHA
PH187 : HARDX MSHA
PH285 : ABRAZONX MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH177-06	-06	10	3/8	9.7	0.68	17.2	0.80	20.3	4060	280	16240	1120	2.52	64	0.660
PH177-08	-08	12	1/2	12.9	0.82	20.9	0.94	23.8	4060	280	16240	1120	3.50	89	0.852
PH177-10	-10	16	5/8	16.1	0.96	24.5	1.08	27.4	4060	280	16240	1120	4.01	102	1.059
PH177-12	-12	19	3/4	19.2	1.10	28.0	1.21	30.7	4060	280	16240	1120	4.76	121	1.134
PH177-16	-16	25	1	25.7	1.37	34.9	1.50	38.0	4060	280	16240	1120	6.02	153	1.980
PH177-20	-20	31	1.1/4	32.2	1.73	43.9	1.85	47.0	3045	210	12180	840	8.27	210	2.822
PH177-24	-24	38	1.1/2	38.5	1.98	50.4	2.11	53.5	2540	175	10150	700	10.00	254	3.229
PH177-32	-32	51	2	51.4	2.50	63.6	2.63	66.7	2540	175	10150	700	12.52	318	4.622
PH177-40	-40	63	2.1/2	63.5	2.95	75.0	3.07	78.0	2030	140	8120	560	14.20	360	5.285



**Temperature Range :** Continuous: -40°C to +121°C

**Impulse Cycles :** 500,000 cycles