

# PH153 – R1AT /1 SN

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## Application

MEDIUM Pressure Hydraulic Lines 40 to 250 bar and requires compact outer dia. For use with petroleum, synthetic or water based fluids in Hydraulic systems Suitable for Agricultural, Earthmoving & Material handling equipments and machineries/systems



Code	Dash size	DN	Hose I.D. (Nom.)		Hose O.D. (Nom.)		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
Part#			inch	mm	inch	mm	psi	bar	psi	bar	mm	inch
PH153-3	-3	5	3/16	4.8	0.47	12.0	3625	250	14500	1000	90	3.60
PH153-4	-4	6	1/4	6.4	0.52	13.2	3275	225	13100	900	100	4.00
PH153-5	-5	8	5/16	8.0	0.59	15.1	3125	215	12500	860	105	4.20
PH153-6	-6	10	3/8	9.5	0.68	17.2	2625	180	10500	720	130	5.20
PH153-8	-8	12	1/2	12.7	0.79	20.2	2325	160	9300	640	180	7.20
PH153-10	-10	16	5/8	16.0	0.93	23.6	1900	130	7600	520	200	8.00
PH153-12	-12	20	3/4	19.0	1.08	27.5	1525	105	6100	420	240	9.50
PH153-16	-16	25	1	25.4	1.39	35.3	1275	88	5100	352	300	12.00



PH153-20	-20	32	1.1/4	31.8	1.70	43.2	915	63	3660	252	420	16.60
PH153-24	-24	38	1.1/2	38.1	1.95	49.6	725	50	2900	200	500	19.70
PH153-32	-32	50	2	50.8	2.50	63.5	580	40	2320	160	630	25.25
PH153-40	-40	63	2.1/2	63.5	3.11	79.0	525	36	2900	200	760	30.40
PH153-48	-48	75	3	76.2	3.62	92.0	508	35	2030	140	900	36.00

\* Use part nos. PH553 for low temperature application; PH253 for MSHA Cover; PH255 for high temperature.

Applicable Standard:

**Standard:** SAE J517 – 100 R1 / EN 8531SN

Construction:

**Core:** Oil & water resistant Synthetic rubber

**Reinforcement:** Single steel wire braid

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

Temperature Range:

**Continuous:** -40°C to +120°C

**Impulse Cycles :** 150,000

**Tested upto:** 300,000 cycles, upto 1" I.D.

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