

PH 149 - R8

APPLICATION

HIGH Pressure Hydraulic Lines 100 to 420 bar Compact, high pressure, light weight and low change in length Suitable for hydraulic application with increased resistance to abrasion for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural machinery, Earthmoving, Safety, Rescue and Material handling equipments. Can be used for industrial gases and other applications, please consult manufacturer.

Code	Dash Size	DN	Hose I.D. (Nom.)		Hose O.D. (Nom.)		Working Pressure		Min. Burst Pressure		Min. Bend Radius	
			(In)	(mm)	(In)	(mm)	(psi)	(Bar)	(psi)	(Bar)	(mm)	(In)
Part #			(In)	(mm)	(In)	(mm)	(psi)	(Bar)	(psi)	(Bar)	(mm)	(In)
PH149-2	-2	3	1/8	3.2	0.320	8.1	6,000	420	24,000	1,680	25	1.0
PH149-3	-3	5	3/16	4.8	0.405	10.3	5,000	350	20,000	1,400	25	1.0
PH149-4	-4	6	1/4	6.4	0.490	12.4	5,000	350	20,000	1,400	32	1.3
PH149-5	-5	8	5/16	8.0	0.560	14.2	4,300	300	17,200	1,200	45	1.8
PH149-6	-6	10	3/8	9.5	0.620	15.7	4,000	280	16,000	1,120	55	2.2
PH149-8	-8	12	1/2	12.7	0.760	19.3	3,500	245	14,000	980	77	3.1
PH149-10	-10	16	5/8	16.0	0.910	23.1	2,900	200	11,600	800	110	4.4
PH149-12	-12	20	3/4	19.0	1.040	26.4	2,300	165	9,200	660	140	5.6
PH149-16	-16	25	1	25.4	1.310	33.3	2,000	140	8,000	560	200	8.0
PH149-20	-20	32	1.1/4	31.8	1.654	42.0	1,500	100	6,000	400	350	14.0

Please specify our part nos. as PH152 for electrical non-conductive application - Orange color cover



APPLICABLE STANDARD

Standard: SAE 100 R8 / DIN EN 855

CONSTRUCTION

Core: Thermoplastic Elastomer

Reinforcement: 1 or 2 Braids of Aramid Fibre

Cover: Black Color, Pin Pricked -Polyurethane.

Available Twin & Multi lines with different Hose combination and Size. Also special colors up on request

TEMPERATURE RANGE

Continuous: -40°C to +100°C

Temp. not to exceed +70°C for Air and Water based fluids

TUBI TERMOPLASTICI SERIE TP8 THERMOPLASTIC HOSES TP8 SERIES



Le tubazioni della serie R8 sono state create per uso oleodinamico ad alta pressione e per la conduzione ad alta pressione di Polioli, Solventi e Vernici.

STRUTTURA

Anima interna in poliestere termoplastico, rinforzo in fibra aramidica e ricopertura esterna in poliuretano a richiesta microperforato per passaggio di aria e gas compatibili.

TEMPERATURE DI UTILIZZODa -40°C a +100°C

Per aria acqua e fluidi a base acquosa temperatura massima di esercizio +65°C.

PRESSIONE DI ESERCIZIO

Come prescritto dalle norme SAE rapporto di sicurezza 1: 4

SPECIFICHE

Tubazioni equivalenti alle norme SAE J517 sez. SAE 100 R8
EN 855, ISO 3949

R8 series hoses have been created for oleodynamic use at high pressure and for the high pressure conduction of polyols, solvents and paints.

CONSTRUCTION

Internal core in thermoplastic polyester, aramidic fiber reinforcement, exterior covering in polyurethane; on request it is also available micro perforated for the passage of air and compatible gases.

UTILIZATION TEMPERATURE From -40°C to +100°C

Max. working temperature of air, water and fluids containing water: +65°C.

WORKING PRESSURE

As prescribed by SAE standards safety ratio 1: 4

SPECIFICATIONS

Hoses are in compliance with standards SAE J517 sec. SAE 100 R8
EN 855, ISO 394

Riferimento	Ø				Pressione a 23°C - Pressure at 23°C				Raggio - Radius		Peso g/m
	intemo inch.	esterno inch.	intemo mm.	esterno mm.	Scoppio min. bar	Scoppio min. psi	Esercizio max. bar	Esercizio max. psi	Curvatura min. mm.	Curvatura min. inch.	
Reference	internal inch.	external inch.	internal mm.	external mm.	min. Burst bar	min. Burst psi	Working max. bar	Working max. psi	min. Bend mm.	min. Bend inch.	Weight g/m
TP83,2	1/8"	0,279	3,5	7,1	1400	20300	350	5075	30	1,18	37
TP85	3/16"	0,393	4,8	10	1400	20300	350	5075	35	1,38	72
TP86	1/4"	0,464	6,4	11,8	1400	20300	350	5075	50	1,96	86
TP88	5/16"	0,563	8,0	14,3	1300	18850	325	4710	60	2,36	126
TP89,5	3/8"	0,629	9,7	16	1120	16240	280	4060	80	3,15	149
TP813	1/2"	0,799	13,0	20,3	900	14210	245	3550	95	3,74	225
TP816	5/8"	0,964	16,0	23,5	780	11300	195	2830	125	4,92	265
TP819	3/4"	1,043	19,2	26,5	660	9570	165	2390	150	5,9	352
TP825	1"	1,336	25,6	34,7	580	8410	145	2100	200	7,87	505

Le tubazioni della serie TP8 sono realizzabili a richiesta anche in versione binata e multipla con le stesse caratteristiche tecniche della versione singola.

TUBI TERMOPLASTICI SERIE R8/TP8



Le descrizioni e le dimensioni dei prodotti illustrati in questo catalogo sono fornite a titolo indicativo. Uni-Gasket si riserva il diritto di apportare, senza preavviso, le modifiche che riterrà necessarie.