

166 A92.2 Antiabrasion

MEDIUM
PRESSURE

PILOT FL

SAE 100R7

Thermoplastic hose for hydraulic applications

From 90 to 210 bar (1300 to 3000 psi)



ANSI A92.2

FEATURES

HIGH
PRESSURE

CONSTANT
PRESSURE

VERY HIGH
PRESSURE

SPECIALITIES

Inner tube

Polyester elastomer

Reinforcement

One or two braids of synthetic fiber

Cover

Polyurethane, black, pinpricked, white ink-jet branding

Applications

- Mobile equipment
- Articulating and telescopic booms
- Aerial platforms
- Scissor lifts
- Cranes
- General hydraulics

Features

- Lighter more flexible and more compact than traditional R1 hoses
- Bonded construction
- Abrasion resistant
- Limited change in length
- Pinpricked cover

Description

Complies with ANSI A92.2 for vehicle-mounted aerial devices. Medium pressure hose suitable for hydraulic applications with increased resistance to abrasion.

For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions such as mobile equipment.

Temperature range

-40°C to +100°C
(-40°F to +212°F)
Limited to +70°C (+158°F) for air and water based fluids

Vacuum rating

-0,93 bar / -700 mm Hg
-13,5 psi / -27,5 inch Hg

WARNING!

3:1 Safety Factor is acceptable if eventual hose failure will not result in movement of aerial device. SAE standards require 4:1 Design Factor One

APPLICATIONS



PACKAGING



Part No.	Hose size		ID		OD		WP		BP		Safety factor	Bend radius		Weight		Ferrule part no.		
	dash	inch	DN	mm	inch	mm	inch	bar	psi	bar		psi	mm	inch	g/m	lbs/ft	carbon	stainless
1660	-2	1/8"	4	4,00	0,157	8,30	0,327	210	3000	840	12000	4:1	25	0,98	45	0,030	SAB101	SAB801
1661	-3	3/16"	5	5,00	0,197	9,60	0,378	210	3000	840	12000	4:1	25	0,98	60	0,040	SAB111	SAB811
1662	-4	1/4"	6	6,50	0,256	12,20	0,480	210	3000	840	12000	4:1	35	1,38	100	0,067	SAB121	SAB821
1663	-5	5/16"	8	8,10	0,319	14,30	0,563	210	3000	760	10800	3.5:1	45	1,77	130	0,087	SAB131	SAB831
1664	-6	3/8"	10	9,70	0,382	16,00	0,630	210	3000	640	9200	3:1	55	2,17	150	0,101	SAB141	SAB841
1665	-8	1/2"	12	13,00	0,512	20,30	0,799	180	2600	560	8000	3:1	75	2,95	220	0,148	SAB151	SAB851
1666	-10	5/8"	16	16,30	0,642	23,70	0,933	140	2000	420	6000	3:1	110	4,33	280	0,188	SAB161	SAB861
1667	-12	3/4"	20	19,50	0,768	27,10	1,067	120	1700	360	5200	3:1	140	5,51	335	0,225	SAB171	SAB871
1668	-16	1"	25	25,90	1,020	34,00	1,339	90	1300	280	4000	3:1	190	7,48	455	0,306	SAB181	SAB881