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TRANSFER OIL  
GENERAL CATALOGUE

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# THERMOPLASTIC, THE HOSE CHOICE OF THE FUTURE

In general Thermoplastic hoses are well known for characteristics that are normally compared to those of rubber hoses.



### REDUCED BEND RADII

This ensures easier routing in restricted and small enveloped areas.



### LIGHTWEIGHT

Lightweight, between 30-50% of that of conventional rubber hose. Reduced diameters facilitates the use of higher capacity hose reels.



### LONGER SHELF LIFE

Will not degrade when stored under correct conditions.



### MINIMAL VOLUMETRIC EXPANSION

Due to lower elongation properties of reinforcing yarn braids. Means reduced pressure loss, faster response time of hydraulic circuits, reduced oil / fluid consumption.



### TWIN/MULTILINE

Thermoplastic hose can be bonded together as simple twin-line or in a variety of combinations of hose of differing pressures, tubes for electrical conduits or in certain applications with electrical cables. See dedicated chapter (page 53)



### EASIER HANDLING

Generally easier and cleaner handling in the workshop. Fabric braided hoses can be cut/prepared without the need for high powered cutting equipment in some cases simple hand or blade cutting equipment can be used.



SAE 100R8

# // 075 R8 ANTIABRASION

Check latest technical updates & crimping diameters



## Thermoplastic hose for high pressure hydraulic applications

from 140 to 420 bar (2000 to 6000 psi)



### FEATURES

#### INNER TUBE

Polyester elastomer.

#### REINFORCEMENT

One or two braids of aramid fiber.

#### COVER

Polyurethane, black, pinpricked, white ink-jet branding.

#### APPLICATIONS

Construction and agricultural equipment // Forklift trucks // Articulating and telescopic booms // Aerial platforms // Safety and rescue equipment // Scissor lifts // Cranes // General hydraulics // Industrial gases.

#### FEATURES

Aramid reinforcement for high pressure performance // Compact and lightweight // Bonded construction // Abrasion resistant // Extremely low change in length // Pinpricked cover.

#### TEMPERATURE RANGE

-40 °C to +100 °C (-40 °F to +212 °F): limited to +70 °C (+158 °F) for water based fluids.

#### DESCRIPTION

Meets or exceeds SAE 100R8 – Compact high pressure hose suitable for hydraulic applications with increased resistance to abrasion and very low expansion. For use with petroleum, synthetic or water based hydraulic fluids in hydraulic systems. Suitable for general fluid power transmissions like earthmoving, agricultural machinery, forklifts trucks and other high pressure equipment. Also suitable for many industrial gases (check for compatibility)

#### VACUUM RATING

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

#### SPECIFICATIONS

SAE 100R8 // EN855-R8 // ISO3949-R8

### APPLICATIONS



### OTHER FEATURES



PILOT FL

SAE 100R7

ANSI A92.2

1SB STEEL BRAID

SAE 100R8

HR8

2SB-TWO STEEL BRAIDS

HDH

SAE 100R18 CPLT 3000

CPLT 3600

CPLT 5000

CPHR 5000

VHP

OFF SHORE MASTER

MICRO BORE

TWIN HOSES

MEDIUM PRESSURE

HIGH PRESSURE

CONSTANT PRESSURE

VERY HIGH PRESSURE

SPECIALTIES

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	std	A316L
0750	-2	1/8"	DN4	4,00	0,157	8,00	0,315	420	6000	1680	24000	4:1	25	0,98	45	0,030	SAB101	SAB801
0751	-3	3/16"	DN5	5,00	0,197	8,90	0,350	350	5000	1400	20000	4:1	30	1,18	50	0,034	SAB111	SAB811
0752	-4	1/4"	DN6	6,50	0,256	11,50	0,453	350	5000	1400	20000	4:1	50	1,97	85	0,057	SAB121	SAB821
0753	-5	5/16"	DN8	8,10	0,319	13,40	0,528	300	4300	1200	17200	4:1	55	2,17	105	0,071	SAB131	SAB831
0754	-6	3/8"	DN10	9,70	0,382	15,50	0,610	280	4000	1120	16000	4:1	60	2,36	135	0,091	SAB141	SAB841
0755	-8	1/2"	DN12	13,00	0,512	19,90	0,783	245	3500	980	14000	4:1	80	3,15	200	0,134	SAB151	SAB851
0756	-10	5/8"	DN16	16,30	0,642	23,40	0,921	200	2900	800	11600	4:1	125	4,92	250	0,168	SAB161	SAB861
0757	-12	3/4"	DN20	19,50	0,768	26,90	1,059	165	2300	660	9200	4:1	150	5,91	320	0,215	SAB171	SAB871
0758	-16	1"	DN25	25,90	1,020	34,20	1,346	140	2000	560	8000	4:1	200	7,87	435	0,292	SAB181	SAB881

### BRANDING

TRANSFER OIL-TO HYDRAULIC-(PART No)-R8 ANTIABRASION-(NORMATIVE)<DASH SIZE>-<INCH SIZE>-<DN SIZE>-WP<WP bar>bar/<WP psi>psi-MADE IN ITALY-www.transferoil.com-<BATCH No>

