

TO

HYD

TRANSFER OIL

GENERAL CATALOGUE

TO

IND

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.



//Hose family selection by application

application	hose family													pressure		
	//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
Automotive roof opening																•
Aerial devices		•	•	•	•				•	•						
Bicycles disk brakes																•
Bolt tensioning					•	•		•			•	•	•			
Cabin lift		•	•	•	•											
Compact design	•	•	•	•	•				•	•	•					
Diagnostic // Test Equipment																•
Earth moving equipment		•	•	•	•			•	•	•	•					
Forklift		•	•	•	•				•	•						
General hydraulic*		•	•	•	•	•	•	•	•	•	•	•				
High Tension // Wind turbines		•	•		•				•	•				•		
Industrial gases		•	•	•	•				•	•						
Jacking applications				•	•	•	•	•			•	•	•			
Low temperatures									•	•	•					
Machine tools				•	•	•	•	•				•				
Marine & off-shore		•		•	•									•		
Mining				•	•	•	•	•			•	•				•
Rescue tooling					•	•					•	•	•			
Servocontrols	•															
Telehandlers		•	•	•	•	•	•	•	•	•	•	•				
Umbilicals					•										•	

* General hydraulic such as: Hose reels // Power chains // Articulating booms // Scissor lifts // Cherry pickers // Loader cranes // Telehandlers // Tower cranes // Truck platform // Car transporter // Agricultural equipment // Agricultural sprayer.



Check latest technical updates & crimping diameters



Compact lightweight hose for servo control applications

from 100 to 175 bar (1400 to 2500 psi)



FEATURES

INNER TUBE

Polyester elastomer.

REINFORCEMENT

One braid of synthetic fiber.

COVER

Anti-grip polyurethane, black, pinpricked, white inkjet branding.

APPLICATIONS

Servo control // Pilot lines // General low pressure hydraulics.

FEATURES

Lightweight // Compact design // High flexibility // Low grip cover // Low volumetric expansion.

TEMPERATURE RANGE

-40 °C to 100 °C (-40 °F to 212 °F); limited to 70 °C (158 °F) for air and water based fluids.

DESCRIPTION

Low pressure service hose suitable for hydraulic applications where there is a requirement for increased resistance to abrasion and limited grip cover at the same time. For use with petroleum synthetic or water based hydraulic fluids in hydraulic systems. Suitable for hydraulic and pneumatic pilot control lines.

VACUUM RATING

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

APPLICATIONS



OTHER FEATURES



STANDARD



Coils



Pallet

OPTIONAL



Reel



Twin multiline

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
0920	-2	1/8"	DN4	4,00	0,157	7,10	0,280	175	2500	700	10000	4:1	20	0,79	30	0,020	SA1101	-
0921	-3	3/16"	DN5	5,00	0,197	8,50	0,335	150	2100	600	8400	4:1	25	0,98	45	0,030	SA1111	-
0922	-4	1/4"	DN6	6,50	0,256	10,60	0,417	140	2000	560	8000	4:1	40	1,57	60	0,040	SA1121	-
0923	-5	5/16"	DN8	8,10	0,319	12,50	0,492	120	1700	480	6800	4:1	45	1,77	85	0,057	SA1131	-
0924	-6	3/8"	DN10	9,70	0,382	14,40	0,567	110	1500	440	6000	4:1	50	1,97	105	0,071	SA1141	-
0925	-8	1/2"	DN12	13,00	0,512	19,10	0,752	100	1400	400	5600	4:1	70	2,76	175	0,118	SA1151	-

BRANDING

TRANSFER OIL-TO HYDRAULIC-<PART No>-PILOT FL-<INCH SIZE>-<DN SIZE>-WP<WP bar>bar/<WP psi>psi-MADE IN ITALY-www.transferoil.com-<BATCH No>



PILOT FL		MEDIUM PRESSURE
SAE 100R7		
ANSI A92.2		HIGH PRESSURE
1SB STEEL BRAID		
SAE 100R8		
HR8		CONSTANT PRESSURE
2SB-TWO STEEL BRAIDS		
HDH		CONSTANT PRESSURE
SAE 100R18 CPLT 3000		
CPLT 3600		
CPLT 5000		CONSTANT PRESSURE
CPHR 5000		
VHP		VERY HIGH PRESSURE
OFF SHORE MASTER		SPECIALTIES
MICRO BORE		
TWIN HOSES		

M I C R O B O R E

089
MICRO BORE



Thermoplastic constant pressure Micro bore hose for testing and hydraulic applications

up to 630 bar
(9100 psi)



MEDIUM PRESSURE

HIGH PRESSURE

CONSTANT PRESSURE

VERY HIGH PRESSURE

SPECIALTIES

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

FEATURES

INNER TUBE

Polyester elastomer.

REINFORCEMENT

One braid of aramid fiber.

COVER

Anti-grip polyurethane, black, pinpricked, white ink-jet branding.

APPLICATIONS

Pressure test equipment and test points // General mini hydraulic equipment using capillary hoses in confined areas // Automotive roof opening systems // Bicycle braking systems.

FEATURES

Aramid braid construction // Very flexible and lightweight // Kink resistance // Anti sticky cover properties allows use of hose bundles for easy routing.

TEMPERATURE RANGE

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

DESCRIPTION

High pressure hose suitable for petroleum synthetic or water based hydraulic fluids in hydraulic mini systems: connections to pressure gauges or pressure switches and transducers. Hydraulic roof opening systems for convertible cars. Also suitable for gas transfer. Special fitting range also available. Also available as factory made assemblies. Please contact to our sales office for further details.

VACUUM RATING

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

APPLICATIONS



OTHER FEATURES



STANDARD



Coils



Pallet

OPTIONAL



Reel



Hose assembly

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
089A	-	5/64	DN2	2,00	0,079	5,00	0,197	630	9100	1900	27300	3:1	20	0,79	20	0,013	SAY1C1	-
089B	-2	1/8"	DN3	3,00	0,118	6,00	0,236	630	9100	1900	27300	3:1	30	1,18	25	0,017	SAY1G1	-
089C	-	5/32	DN4	4,00	0,157	8,00	0,315	630	9100	1900	27300	3:1	40	1,57	45	0,030	SAY1M1	-

BRANDING

TRANSFER OIL -TO HYDRAULIC-<PART No>-MICRO BORE-<DN>-BP<BP bar>bar/<BP psi>psi-MADE IN ITALY-www.transferoil.com-<BATCH No>

