

# Thermoplastic Hoses

in

	<p><b>TFS0007</b></p>  <p>SAE 100R7 Double</p> <p>78</p>		<p><b>TFS0008</b></p>  <p>SAE 100R8</p> <p>79</p>
	<p><b>TFS00H1</b></p>  <p>One high tensile steel wire braid</p> <p>80</p>	<p><b>TFS00H2</b></p>  <p>Two high tensile steel wire braid</p> <p>81</p>	
<p><b>TFS00HP</b></p>  <p>INTERPUMP HyUltra</p> <p>82</p>		<p><b>TFS0018</b></p>  <p>R18 - Isobaric - Low temperature</p> <p>83</p>	<p><b>TFS00CP</b></p>  <p>Costant pressure low temperature</p> <p>86</p>
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# SAE 100R7 TFS0007



### APPLICATIONS :



**TYPE APPROVAL :**  
MSHA

**APPLICABLE SPECS. :**  
EXCEED SAE 100R7 - ISO 3949 R7

Exceeds SAE 100R7. Light and flexible, abrasion resistant. Limited change in length. Pinpricked cover.

**Internal hose:** Polyester elastomer.  
**Reinforcement:** One or two braids of synthetic fiber.  
**Covering:** Polyurethane, black, pinpricked, white ink-jet branding.  
**Recommended fluid:**Hydraulic fluids petroleum based, glycol-water based, lubricant.  
**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
TFS0007-02	1/8"	4.0	8.3	210	3045	840	12180	25	0.984	0.050	0.034	*
TFS0007-03	3/16"	5.0	9.6	210	3045	840	12180	25	0.984	0.060	0.040	0007-03
TFS0007-04	1/4"	6.5	11.8	210	3045	840	12180	35	1.378	0.090	0.060	0007-04
TFS0007-05	5/16"	8.1	13.9	190	2755	760	11020	60	2.362	0.115	0.077	0007-05
TFS0007-06	3/8"	9.7	16.0	160	2320	640	9280	55	2.165	0.145	0.097	0007-06
TFS0007-08	1/2"	13.0	20.1	140	2030	560	8120	75	2.953	0.210	0.141	0007-08
TFS0007-10	5/8"	16.3	23.7	105	15225	420	6090	110	4.331	0.280	0.188	0007-10
TFS0007-12	3/4"	19.5	27.1	90	1305	360	5220	140	5.512	0.335	0.225	0007-12
TFS0007-16	1 "	25.9	34.0	70	1015	280	4060	190	7.480	0.455	0.305	0007-16

Available also in twin version ( in case of order use code T2S0007)



Available also in 'No conductive' version - ( in case of order use code TFS0NC7)



Available also in 'Neptune' version - marine application ( in case of order use code TFS00M7)



Available also in 'Nautilus' version - off-shore equipment ( in case of order use code TFS00Y7)



Available also in 'Solvent' version - ( in case of order use code TFS00V7)



# SAE 100R8 TFS0008

## APPLICATIONS :



## TYPE APPROVAL :

MSHA



## APPLICABLE SPECS. :

EXCEED SAE 100R8 - ISO 3949 R8

Exceeds SAE 100R8. Light and flexible, abrasion resistant. Limited change in length. Pinpricked cover.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One or two braids of aramid fiber.

**Covering:** Polyurethane, black, pinpricked, white ink-jet branding.

**Recommended fluid:** Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS0008-02	1/8"	4.0	8.0	420	6090	1680	24360	25	0.984	0.045	
TFS0008-03	3/16"	5.0	8.9	350	5075	1400	20300	30	1.181	0.050	0.034	0008-03
TFS0008-04	1/4"	6.5	11.5	350	5075	1400	20300	50	1.969	0.085	0.057	0008-04
TFS0008-05	5/16"	8.1	13.4	300	4350	1200	17400	55	2.165	0.105	0.071	0008-05
TFS0008-06	3/8"	9.7	15.5	280	4060	1120	16240	60	2.362	0.135	0.091	0008-06
TFS0008-08	1/2"	13.0	19.9	245	35525	980	14210	80	3.150	0.200	0.134	0008-08
TFS0008-10	5/8"	16.3	23.4	200	2900	800	11600	125	4.921	0.250	0.168	0008-10
TFS0008-12	3/4"	19.5	27.1	165	23925	660	9570	150	5.906	0.320	0.215	0008-12
TFS0008-16	1 "	25.9	34.2	140	2030	560	8120	200	7.874	0.435	0.292	0008-16

Available also in twin version ( in case of order use code T2S0008).



Available also in 'Nautilus' version - off-shore equipment ( in case of order use code TFS00Y8).

Available also in 'Neptune' version - marine application ( in case of order use code TFS00M7).

Available also in 'Solvent' version (in case of order use code TFS00V8).

Available also in 'No conductive' version (in case of order use code TFS00NC8).



# One high tensile steel wire braid

## TFS00H1

### APPLICATIONS :



### TYPE APPROVAL :

MSHA

### APPLICABLE SPECS. :

SAE 100R1 - MEETS OR EXCEEDS PRESSURE LEVEL OF EN 853 1SN - EN 857 1SC

Slim line construction for compact installation and flexibility. Lightweight. Steel braid offers low volumetric expansion and optimum in length characteristics. Abrasion resistant.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One braid of steel wire.

**Covering:** Polyurethane, black, white ink-jet branding.

**Recommended fluid:**Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS00H1-03	3/16"	5.0	9.7	360	5220	1440	20880	30	1.181	0.120	
TFS00H1-04	1/4"	6.4	11.7	310	4495	1240	17980	40	1.575	0.165	0.111	0008-04
TFS00H1-05	5/16"	8.1	13.2	250	3625	1000	14500	55	2.165	0.190	0.128	0008-05
TFS00H1-06	3/8"	9.8	15.5	225	3263	900	13050	65	2.559	0.230	0.155	0008-06
TFS00H1-08	1/2"	13.0	18.8	190	2755	760	11020	85	3.346	0.300	0.202	0008-08
TFS00H1-10	5/8"	16.3	22.0	140	2030	560	8120	115	4.528	0.335	0.225	0008-10
TFS00H1-12	3/4"	19.5	25.8	115	1668	460	6670	145	5.709	0.460	0.309	0008-12
TFS00H1-16	1"	25.8	33.4	95	1378	380	5510	180	7.087	0.640	0.430	0008-16



Available also in "Neptune" version - marine application (in case of order use code TFS0H1M). NO MSHA.



Available also in 'Solvent' version (in case of order use code TFS00V1). NO MSHA.



Available also in twin version ( in case of order use code T2S00H1)



# Two high tensile steel wire braids

## TFS00H2

### APPLICATIONS :



### TYPE APPROVAL :

MSHA



### APPLICABLE SPECS. :

MEETS OR EXCEEDS SAE 100R2 PERFORMANCE

Rugged construction for HD application and prolonged lifetime. Suitable in harsh condition. Abrasion resistant.

**Internal hose:** Polyester elastomer.

**Reinforcement:** Two braid of steel wire.

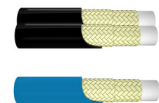
**Covering:** Polyurethane, black, white ink-jet branding.

**Recommended fluid:** Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS00H2-04	1/4"	6.4	12.8	400	5800	1600	23200	40	1.575	0.245	
TFS00H2-06	3/8"	9.8	16.8	330	4785	1320	19140	65	2.559	0.370	0.249	0022-06
TFS00H2-08	1/2"	13.0	20.2	260	3770	1040	15080	85	3.346	0.455	0.306	0022-08
TFS00H2-10	5/8"	16.3	23.5	220	3190	880	12760	115	4.528	0.560	0.376	0022-10
TFS00H2-12	3/4"	19.5	27.5	150	2175	660	9570	170	6.693	0.700	0.470	0022-12

Available also in twin version (in case of order use code T2S00H2).



Available also in 'Solvent' version (in case of order use code TFS00V2). NO MSHA.

# INTERPUMP HyUltra TFS00HP

## APPLICATIONS :



**TYPE APPROVAL :**  
MSHA

## APPLICABLE SPECS. :

Combined Aramid + Steel braid construction for compact design. Lightweight and flexible. Narrow bending radius for use on hose reels and in tight environments. Antiabrasion cover.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One or two braid of aramid fiber plus one steel braid.

**Covering:** Polyurethane, black, white ink-jet branding.

**Recommended fluid:** Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS00HP-04	1/4"	6.6	12.7	700	10150	2800	40600	35	1.378	0.180	
TFS00HP-06	3/8"	9.8	18.7	700	10150	2800	40600	90	3.543	0.330	0.222	*

Available also in twin version ( in case of order use code T2500HP).



Available also in 'No conductive' version (in case of order use code TFSNCHP). NO MSHA.



# R18 Low temperature TFS0018

## APPLICATIONS :



## APPLICABLE SPECS. :

MEETS OR EXCEEDS SAE 100R18

Optimum bonding. Special polyester cover operating in cold environment. Tight bend radius. Microperforated covering.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One or two braids of synthetic fiber.

**Covering:** Special polyester.

**Recommended fluid:** Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -55 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS0018-03	3/16"	5.0	9.6	210	3045	840	12180	25	0.984	0.060	
TFS0018-04	1/4"	6.5	12.2	210	3045	840	12180	35	1.378	0.095	0.064	0008-04
TFS0018-05	5/16"	8.1	14.3	210	3045	840	12180	45	1.772	0.130	0.087	0008-05
TFS0018-06	3/8"	9.7	16.6	210	3045	840	12180	45	1.772	0.165	0.111	0008-06
TFS0018-08	1/2"	13.0	22.5	210	3045	840	12180	70	2.756	0.295	0.198	*
TFS0018-10	5/8"	16.3	26.1	210	3045	840	12180	100	3.937	0.370	0.249	*

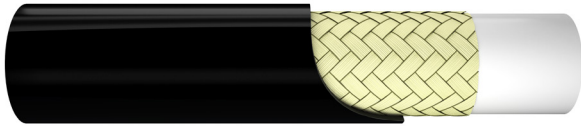
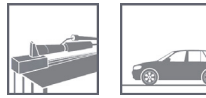
Available also in twin version ( in case of order use code T250018).





# Mini-flexible TFS00MP

## APPLICATIONS :



## APPLICABLE SPECS. :

Very flexible and lightweight. Kink resistance. Antistick cover allow use of hose bundles for easy routing. Nipples fittings range.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One braid of aramid fiber.

**Covering:** Antigrip polyurethane, black, pinpricked.

**Recommended fluid:**Hydraulic fluids petroleum based, glycol-water based, lubricant.

**Operating temperature:** from -40 to +100°C continuous for air and water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS00MP-012	5/64"	2.0	5.0	630	9135	1900	27550	20	0.787	0.020	
TFS00MP-020	1/8"	3.0	6.0	630	9135	1900	27550	30	1.181	0.025	0.017	*
TFS00MP-025	5/32"	4.0	8.0	630	9135	1900	27550	40	1.575	0.045	0.030	*

Available also in twin version ( in case of order use code T2500MP).



# INTERPUMP HyFire TI00C02

## APPLICATIONS :

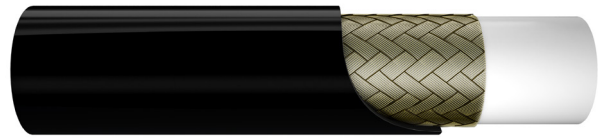


## TYPE APPROVAL :

MSHA

## APPLICABLE SPECS. :

MEETS OR EXCEEDS EN 853 15N - EN 854 15C - SAE 100R1 PERFORMANCE LEVEL



One steel braid design for increased mechanical and pressure resistance. Operating temperatures from -60°C to +93°C. Pinpricked cover. Also suitable for use of connection between bottles/valves and manifolds for CO2 main fire extinguishing systems. The low temperature resistance of cover increases lifetime of these hoses.

**Internal hose:** Polyester elastomer.

**Reinforcement:** One braid of steel wire.

**Covering:** Polyurethane, black, pinpricked, white ink-jet branding.

**Operating temperature:** from -60 to +93°C.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TI00C02-03	3/16"	5.0	9.7	300	4350	1200	17400	30	1.181	0.125	
TI00C02-04	1/4"	6.4	11.7	275	3988	1100	15950	40	1.575	0.155	0.104	*
TI00C02-05	5/16"	8.0	13.2	212	3074	848	12296	55	2.165	0.190	0.128	*
TI00C02-06	3/8"	9.8	15.5	212	3074	848	12296	65	2.559	0.230	0.155	*
TI00C02-08	1/2"	13.0	18.8	175	2538	700	10150	85	3.346	0.300	0.202	*
TI00C02-10	5/8"	16.3	22.0	140	2030	560	8120	115	4.528	0.320	0.215	*

Available also in twin version ( in case of order use code T2500C02).



# Costant pressure low temperature TFS00CP

## APPLICATIONS:



**APPLICABLE SPECS. :**  
EXCEEDS SAE 100R18

Optimum bonding. Special polyester cover operating in cold enviroment. Tight bend radius. Microperforated covering.

**Internal hose:** Polyester elastomer.  
**Reinforcement:** One or two braids of synthetic fiber.  
**Covering:** Special polyester, pinprinked.  
**Recommended fluid:**Hydraulic fluids petroleum based, glicol-water based, lubricant.  
**Operating temperature:** from -55 to +100°C continuous +70°C for water based fluids.

Part number	ID		OD	Max WP		Min BP		Min BR		Weight		Ferrule
	in	mm	mm	bar	psi	bar	psi	mm	inch	kg/m	lb/ft	
	TFS00CP-03	3/16"	5.0	9.6	250	3600	1000	14400	25	0.984	0.060	
TFS00CP-04	1/4"	6.5	13.0	250	3600	1000	14400	35	1.378	0.115	0.077	0008-04
TFS00CP-05	5/16"	8.1	15.0	250	3600	1000	14400	45	1.772	0.145	0.097	0008-05
TFS00CP-06	3/8"	9.7	18.0	250	3600	1000	14400	55	2.170	0.205	0.138	0008-06