



# IMM.M.M.

Tube PTFE / PTFE hose

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# IMHy press

IMM Group



● ● ● ● ● ● **Tubo PTFE / PTFE hose**

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	<b>TF00TP1</b> TP1	<b>TF000T1</b> T1	<b>TF000T2</b> T2	<b>TF00THP</b> THP	<b>TF00LTC</b> LTC	<b>TF000TC</b> TC

Dimensions and general characteristics may be changed at any time without prior notice.

Data contained herein are for information purpose only, and it does not enlarge, amend or imply any warranty other than provided by us with the product  
Any use of the product not in conformance with our instructions may be dangerous.

**TF00TP1 Tubo P.T.F.E. tipo TP1**  
*P.T.F.E. flexible hose type TP1*

**FTP1**



**Specifiche applicabili/Applicable specs.:**  
 SAE 100 R14

**Tubo interno:** P.T.F.E. liscio spessore piccolo.  
**Internal hose:** *Smooth P.T.F.E. small wall.*

**Copertura esterna:** 1 treccia in acciaio inox AISI 304 ad alta resistenza.

**External covering:** *One high tensile stainless steel AISI 304 wire braids.*

**Temperatura di esercizio:**  
 da -70 a +260°C

**Operating temperature range:**  
 from -70 to +260°C

part number				Spess. Min Parete								
	ID		Ø Int Mim			Ø Est Max	Max WP		Min BR		Weight (approx)	
	in	mm	mm			mm	bar (*)	psi	mm	inch	gr/m	lb/ft
<b>TF00TP1-03</b>	3/16"	5,0	4,4	0,7	7,5	265	3843	40	1,575	80	0,05376	
<b>TF00TP1-04</b>	1/4"	6,5	6	0,7	9,0	240	3480	60	2,362	93	0,06250	
<b>TF00TP1-05</b>	5/16"	8,0	7,5	0,7	11,0	200	2900	70	2,756	110	0,07392	
<b>TF00TP1-06</b>	3/8"	9,5	9,1	0,7	12,0	190	2755	80	3,150	124	0,08333	
<b>TF00TP1-07</b>	13/32"	10,5	10	0,7	13,0	160	2320	90	3,543	161	0,10819	
<b>TF00TP1-08</b>	1/2"	13,0	12	0,7	16,0	150	2175	110	4,331	207	0,13910	
<b>TF00TP1-10</b>	5/8"	16,0	15	0,7	19,0	110	1595	150	5,906	255	0,17136	
<b>TF00TP1-12</b>	3/4"	19,0	18	0,8	22,5	80	1160	200	7,874	315	0,21168	
<b>TF00TP1-14</b>	7/8"	22,0	21,5	0,8	26,0	70	1015	230	9,055	400	0,26880	
<b>TF00TP1-16</b>	1"	25,0	24	0,8	29,0	55	798	300	11,811	430	0,28896	
<b>TF00TP1-18</b>	1.1/8"	28,5	28	1	33,0	40	580	350	13,780	600	0,40320	

(\*) - Pressione d' esercizio calcolata con coeff. 3:1. Per i tubi raccordati è consigliabile calcolare la pressione massima di esercizio con coefficiente di sicurezza 4:1 rispetto a quella di scoppio. Oltre i 130° contattare il ns. U.T.

(\*) - The maximum working pressure is calculated on the basis of 3:1 relative to the burst pressure. For assembled hoses the maximum working pressure is calculated with a safety factor 4:1 relative to the burst pressure. For temperature over 130°C, please contact our technical department.

**Boccola Consigliata**  
**Raccomanded Ferrule**

*fitting for PTFE hose*  
**Section Q**



**TF000T1 Tubo P.T.F.E. tipo T1**

**FTM1**

*P.T.F.E. flexible hose type T1*

**Applicazioni:**

Tubo metrico da utilizzare con raccordi standard.

**Application:**

*Metric range for use with European hydraulics fittings.*



**Tubo interno:** P.T.F.E. liscio spessore medio.

**Internal hose:** *P.T.F.E. liscio spessore medio.*

**Copertura esterna:** 1 treccia in acciaio inox AISI 304 ad alta resistenza.

**External covering:** *One high tensile stainless steel AISI 304 wire braids.*

**Temperatura di esercizio:**  
da -70 a +260°C

**Operating temperature range:**  
from -70 to +260°C

part number	ID		Ø Int Mim	Spess. Min Parete	Ø Est Max	Tolleranza (±)	Max WP		Min BR		Weight (approx)	
	in	mm					bar (*)	psi	mm	inch	gr/m	lb/ft
	<b>TF000T1-03</b>	3/16"	5,1	03	0,89	8,05	0,60	264	3828	64	2,520	88
<b>TF000T1-04</b>	1/4"	6,7	04	0,76	9,35	0,60	224	3248	76	2,992	102	0,06854
<b>TF000T1-05</b>	5/16"	8,4	05	0,64	11,05	0,60	207	3002	102	4,016	121	0,08131
<b>TF000T1-06</b>	3/8"	10,0	06	0,64	12,65	0,60	183	2654	127	5,000	136	0,09139
<b>TF000T1-08</b>	1/2"	13,2	08	0,89	16,55	0,75	161	2335	152	5,984	228	0,15322
<b>TF000T1-10</b>	5/8"	16,6	10	0,89	19,75	0,75	114	1653	178	7,008	281	0,18883
<b>TF000T1-12</b>	3/4"	19,8	12	0,89	22,96	0,85	103	1494	203	7,992	347	0,23318
<b>TF000T1-16</b>	1 "	26,1	16	0,89	29,25	0,85	80	1160	305	12,008	473	0,31786

(\*) - Pressione d' esercizio calcolata con coeff. 3:1. Per i tubi raccordati è consigliabile calcolare la pressione massima di esercizio con coefficiente di sicurezza 4:1 rispetto a quella di scoppio. Oltre i 130° contattare il ns. U.T.

(\*) - The maximum working pressure is calculated on the basis of 3:1 relative to the burst pressure. For assembled hoses the maximum working pressure is calculated with a safety factor 4:1 relative to the burst pressure. For temperature over 130°C, please contact our technical department.

**Boccola Consigliata**

**Raccomandato Ferrule**

**standard tail  
Section I**



**TF000T2 Tubo P.T.F.E. tipo T2**
**FTT2**
*P.T.F.E. flexible hose type T2*

**Tubo interno:** P.T.F.E. liscio.

**Internal hose:** Smooth P.T.F.E..

**Copertura esterna:** 2 trecce in acciaio inox AISI 304 ad alta resistenza.

**External covering:** Two high tensile stainless steel AISI 304 wire braids.

**Temperatura di esercizio:**  
da -70 a +260°C

**Operating temperature range:**  
from -70 to +260°C

part number				Spess. Min Parete							
	ID		Ø Int Mim			Max WP		Min BR		Weight (approx)	
	in	mm	mm			mm	mm	bar (*)	psi	mm	inch
<b>TF000T2-03</b>	3/16"	5,0	4,5	1	9,0	320	4640	25	0,984	140	0,09408
<b>TF000T2-04</b>	1/4"	6,5	6	1	10,9	310	4495	26	1,024	183	0,12298
<b>TF000T2-05</b>	5/16"	8,0	7,5	1	12,6	275	3988	35	1,378	210	0,14112
<b>TF000T2-06</b>	3/8"	9,5	9,1	1	14,3	240	3480	50	1,969	243	0,16330
<b>TF000T2-07</b>	13/32"	10,5	10	1	15,3	230	3335	60	2,362	258	0,17338
<b>TF000T2-08</b>	1/2"	13,0	11,9	1	17,3	200	2900	75	2,953	374	0,25133
<b>TF000T2-10</b>	5/8"	16,0	15	1,3	21,2	155	2248	100	3,937	452	0,30374
<b>TF000T2-12</b>	3/4"	19,0	18	1,3	24,3	110	1595	135	5,315	532	0,35750
<b>TF000T2-14</b>	7/8"	22,0	21,5	1,1	28,5	105	1523	230	9,055	700	0,47040
<b>TF000T2-16</b>	1"	25,0	24	1,3	31,2	84	1218	250	9,843	730	0,49056
<b>TF000T2-18</b>	1.1/8"	28,5	28	1,3	35,5	40	580	350	13,780	600	0,40320
<b>TF000T2-20</b>	1.1/4"	25,0	30,4	1,5	37,5	75	1088	400	15,748	950	0,63840
<b>TF000T2-24</b>	1.1/2"	28,5	36,2	1,5	44,7	65	943	800	31,496	1170	0,78624
<b>TF000T2-32</b>	2"	25,0	50,4	1,5	57,4	40	580	1200	47,244	1610	1,08192

(\*) - Pressione d' esercizio calcolata con coeff. 3:1. Per i tubi raccordati è consigliabile calcolare la pressione massima di esercizio con coefficiente di sicurezza 4:1 rispetto a quella di scoppio. Oltre i 130° contattare il ns. U.T.

(\*) - The maximum working pressure is calculated on the basis of 3:1 relative to the burst pressure. For assembled hoses the maximum working pressure is calculated with a safety factor 4:1 relative to the burst pressure. For temperature over 130°C, please contact our technical department.

**Boccola Consigliata**
*fitting for PTFE hose*  
**Section Q**

**Raccomandato Ferrule**

**TF00THP Tubo P.T.F.E. tipo THP**  
*P.T.F.E. flexible hose type THP*

**FTHP**



**Specifiche applicabili/Applicable specs.:**  
 SAE 100 R8 - SAE 100 R9 - Mil. H38360

**Tubo interno:** P.T.F.E. liscio caricato nero conduttivo.  
**Internal hose:** *Conductive extruded black smooth P.T.F.E..*

**Copertura esterna:** 1 treccia in acciaio inox AISI 304 ad alta resistenza.

**External covering:** *One high tensile stainless steel AISI 304 wire braids.*

**Temperatura di esercizio:**  
 da -70 a +260°C

**Operating temperature range:**  
 from -70 to +260°C

part number	ID		Ø Int Mim		Ø Est Max		Max WP		BP		Min BR		Weight (approx)	
	in	mm	mm	mm	mm	mm	bar(**)	psi	bar	psi	mm	inch	gr/m	lb/ft
	<b>TF00THP-04</b>	1/4"	6,0	5,6	9,9	345	5003	1276	18502	38	1,496	149	0,10013	
<b>TF00THP-05</b>	5/16"	8,0	7,8	12,4	345	5003	1241	17995	63	2,480	243	0,16330		
<b>TF00THP-06</b>	3/8"	9,5	10,1	15,6	345	5003	1241	17995	73	2,874	345	0,23184		
<b>TF00THP-08</b>	1/2"	13,0	12,5	18,5	345	5003	1207	17502	82	3,228	484	0,32525		
<b>TF00THP-10</b>	5/8"	16,0	15,6	25,1	345	5003	1207	17502	98	3,858	982	0,65990		
<b>TF00THP-14</b>	7/8"	22,0	22	32,2	345	5003	1172	16994	127	5,000	1518	1,02010		
<b>TF00THP-18</b>	1.1/8"	28,5	28,4	42,1	345	5003	1138	16501	305	12,008	2753	1,85002		
<b>TF00THP-20</b>	1.1/4"	32,0	34,9	48,2	276	4002	1034	14993	356	14,016	2842	1,90982		

(\*\*) - Per pressione ad impulsi ridurre la pressione d' esercizio di 69 bar. Per l'utilizzo a temperatura costante di + 204°C la pressione max. d'esercizio per tutti i diametri è di 207 bar.

(\*\*) - For pulsating pressure reduce the working pressure of 69 bar. For use at constant temperature + 204°C the maximum working pressure for all diameters is 207 bar.

**Boccola Consigliata**  
**Raccomanded Ferrule**

*fitting for PTFE hose*  
**Section Q**



## TF00LTC **Tubo P.T.F.E. corrugato tipo LTC**

Convuluted P.T.F.E. hose type LTC

### Applicazioni:

Tubo metrico da utilizzare con raccordi standard.

### Application:

Metric range for use with European hydraulics fittings.



**Tubo interno:** P.T.F.E. corrugato.

**Internal hose:** Convuluted P.T.F.E. core.

**Copertura esterna:** 1 treccia in acciaio inox AISI 304 ad alta resistenza.

**External covering:** One high tensile stainless steel AISI 304 wire braids.

**Temperatura di esercizio:**  
da -70 a +260°C

**Operating temperature range:**  
from -70 to +260°C

part number	ID		Ø Int Mim	Spess. Min Parete	Ø Est Max	Tolleranza (+)	Max WP		Min BR		Weight (approx)	
	in	mm					bar (*)	psi	mm	inch	gr/m	lb/ft
	<b>TF00LTC-04</b>	1/4"	6,4	04	0,76	12,3	0,50	172	2494	18	0,709	88
<b>TF00LTC-06</b>	3/8"	9,5	06	0,76	15,3	0,60	138	2001	20	0,787	102	0,06854
<b>TF00LTC-08</b>	1/2"	12,7	08	0,89	18,8	0,60	103	1494	25	0,984	121	0,08131
<b>TF00LTC-10</b>	5/8"	15,9	10	0,89	22,1	0,60	83	1204	51	2,008	136	0,09139
<b>TF00LTC-12</b>	3/4"	19,0	12	0,89	24,7	0,70	69	1001	64	2,520	228	0,15322
<b>TF00LTC-16</b>	1"	25,4	16	1,02	32,8	0,80	46	667	89	3,504	281	0,18883
<b>TF00LTC-20</b>	1 1/4"	31,8	20	1,02	40,7	0,80	34	493	127	5,000	347	0,23318
<b>TF00LTC-24</b>	1 1/2"	38,1	24	1,12	48,3	0,80	30	435	152	5,984	473	0,31786
<b>TF00LTC-32</b>	2"	50,8	32	1,2	61,5	0,8	23	334	200	7,874	549	0,36893

(\*) - Pressione d' esercizio calcolata con coeff. 3:1. Per i tubi raccordati è consigliabile calcolare la pressione massima di esercizio con coefficiente di sicurezza 4:1 rispetto a quella di scoppio. Oltre i 130° contattare il ns. U.T.

(\*) - The maximum working pressure is calculated on the basis of 3:1 relative to the burst pressure. For assembled hoses the maximum working pressure is calculated with a safety factor 4:1 relative to the burst pressure. For temperature over 130°C, please contact our technical department.

**Boccola Consigliata**

**Raccomanded Ferrule**

**standard tail  
Section I**





**TF000TC Tubo P.T.F.E. tipo TC**

**FTTC**

*P.T.F.E. flexible hose type TC*

**Applicazioni:**

Adatto anche per l'uso di aspirazione.



**Application:**

Adapted also for the aspiration use.

**Tubo interno:** Tubo corrugato ottenuto da nastro di P.T.F.E., tessuto di vetro impregnato di P.T.F.E..

**Internal hose:** *Convuluted P.T.F.E. tube obtained from P.T.F.E. ribbons, material consisting of glass impregnated P.T.F.E..*

**Copertura esterna:** 1 treccia in acciaio inox AISI 304.

**External covering:** *One stainless steel AISI 304 wire braids.*

**Temperatura di esercizio:**

da -54 a +204°C

**Operating temperature range:**

from -54 to +204°C

part number														
	ID		Ø Int Mim	Ø Est Max	Max WP		BP		Min BR		Weight (approx)			
	in	mm	mm	mm	bar	psi	bar	psi	mm	inch	gr/m	lb/ft		
<b>TF000TC-04</b>	1/4"	6,0	7	12,2	68	986	275	3988	25	0,984	111	0,07459		
<b>TF000TC-06</b>	3/8"	9,5	9,5	15,0	68	986	275	3988	25	0,984	170	0,11424		
<b>TF000TC-08</b>	1/2"	13,0	13	19,7	68	986	275	3988	38	1,496	238	0,15994		
<b>TF000TC-10</b>	5/8"	16,0	15,7	22,5	68	986	275	3988	45	1,772	330	0,22176		
<b>TF000TC-12</b>	3/4"	19,0	19,1	27,8	68	986	275	3988	50	1,969	400	0,26880		
<b>TF000TC-16</b>	1"	25,0	25,3	33,0	68	986	275	3988	75	2,953	535	0,35952		
<b>TF000TC-20</b>	1.1/4"	25,0	31,5	39,6	70	1015	280	4060	165	6,496	714	0,47981		
<b>TF000TC-24</b>	1.1/2"	28,5	38	45,5	53	769	210	3045	190	7,480	907	0,60950		
<b>TF000TC-32</b>	2"	25,0	50,4	59,2	35	508	140	2030	250	9,843	1443	0,96970		

Disponibile anche con sottostrato conduttivo e in versione per impieghi gravosi.

*Available with conductive inner tube too and for heavy duty work.*

**Boccola Consigliata**

**Raccomanded Ferrule**

*fitting for PTFE hose*  
**Section Q**



