TS8/TS8-PA
MICRO BORE HOSES



Caratteristiche principali

- **Applicazioni idrauliche ad alta pressione**
- **Leggero**
- **Elevata flessibilità**
- **Resistente al kinking**

Main Features

- ***High pressure hydraulic applications***
- ***Lightweight***
- ***High flexibility***
- ***Kinking resistant***

Caratteristiche tecniche

- **Caratteristiche tecnico-costruttive:**

Anima interna in poliestere (o poliammide* **), rinforzo in treccia singola di fibra aramidica e rivestimento esterno in poliuretano (o poliammide **) nero lucido, forato per convogliamento aria e gas compatibili. Su richiesta rivestimento in poliuretano opaco.

- **Temperature di utilizzo:**

Da -40 °C (-40 °F) a +100 °C (+212 °F).
In caso di acqua, o fluidi a base acquosa, la temperatura max. di lavoro è di +70 °C (+158 °F). Temperature superiori a +80 °C possono ridurre la durata di vita utile del tubo.

- **Valore max. di vuoto:**

pressione assoluta 0.93bar; 700 mmHg.
(pressione assoluta 13.5 psi; 27.5 inchHg).

- **Variazione max. di lunghezza alla pressione di esercizio:**

Da -1.5% to +1.5%

- ***Specifiche:***

Il tubo DN2 con anima e rivestimento esterno di PA (rif. TS850213100PA) ha superato il test impulsi ad 1 milione di cicli.

- **Note:**

La marcatura standard indica solo il fattore di sicurezza 1:3.

Technical Features

- ***Technical-constructive Features:***

Inner core of polyester (or polyamide **), single braided aramidic reinforcement and outer covering of shiny black polyurethane (or polyamide**), pin-pricked for conveying air and compatible gases. Matte polyurethane cover available on request.*

- ***Working Temperatures:***

From -40°C (-40°F) to +100°C (+212°F).
Max. working temperature with water or water-based fluids is +70°C (+158°F).
Temperatures higher than +80°C may reduce hose lifespan.

- ***Max. Vacuum Value:***

absolute pressure 0.93 bar; 700 mmHg.
(absolute pressure 13.5 psi; 27.5 inchHg).

- ***Max. Length Variation at Working Pressure:***

-1.5% to +1.5%

- ***Specifications:***

DN2 hose with inner core and PA cover (ref. TS850213100PA) has passed impulse test at 1 mio cycles.

- ***Note:***

Standard branding specifies 1:3 SF only.

Scheda tecnica - *Data Sheet*

CODE	mm	inch	DN	mm	inch	bar	psi	bar	psi	bar	psi	mm	inch	g/m	lbs/ft	FERRULE
	ID			OD		MAX WP 1:4		MAX WP 1:3		MIN BP AT 23°C		R MIN		g		
TS850210100	2.1	0.0827	2	5.0	0.197	500	7250	666	9660	2000	29010	20	0.787	19	0.0128	BPTS50
TS850210100PA*	2.1	0.0827	2	5.0	0.197	500	7250	666	9660	2000	29010	20	0.787	18	0.0121	BPTS50
TS850213100PA**	2.1	0.0827	2	5.0	0.197	500	7250	666	9660	2000	29010	20	0.787	17	0.0114	BPTS50
TS855210100	2.1	0.0827	2	5.5	0.216	472	6850	630	9140	1890	27410	20	0.787	23	0.0154	BPTS55
TS855260100	2.6	0.1024	3	5.5	0.216	500	7250	666	9660	2000	29010	20	0.787	23	0.0154	BPTS5525
TS864290100PA*	2.9	0.1142	3	6.4	0.252	500	7250	666	9660	2000	29010	35	1.378	28	0.0188	BPTSM65
TS864293100PA**	2.9	0.1142	3	6.4	0.252	500	7250	666	9660	2000	29010	35	1.378	26	0.0178	BPTSM65
TS855300100PA*	3.0	0.1181	3	5.5	0.216	472	6850	630	9140	1890	27410	20	0.787	20.4	0.0137	BPTS55
TS860300100	3.0	0.1181	3	6.0	0.236	400	5800	533	7730	1600	23210	30	1.181	26	0.0178	BPTS60
TS8840100	4.0	0.1575	4	8.0	0.315	412	5970	550	7980	1650	23930	35	1.378	44	0.0296	BP480L5
TS880410100PA*	4.1	0.1614	4	8.0	0.315	500	7250	666	9660	2000	29010	40	1.575	38	0.0255	BP480L5
TS880413100PA**	4.1	0.1614	4	8.0	0.315	500	7250	666	9660	2000	29010	40	1.575	36	0.0242	BP480L5

* Anima e copertura in PA ** Anima in PA

** PA inner core and cover ** PA inner core*