

### Single wire braid high temperature hydraulic hose (Up to +300°F) – TR1HT



**NEW**

**TR1HT Evolution – Single wire braid**  
Meets or exceeds SAE 100 R1AT - EN 853 1SN

**General Applications:**

Wherever low or continuous high temperatures or fluid compatibility is a problem, this high quality, high performance hose solves the problem. Also ideal for use where greatly extended service life under "normal" conditions is desired.

**Construction:**

**Tube** – Black tube, specifically compounded for temperature and chemical resistance, oil-resistant.

**Reinforcement** – One high tensile steel wire braid.

**Cover** – Synthetic rubber, blue... weather, oil, fuel, ozone and abrasion-resistant. Smooth up to 5/8" and wrapped over 5/8".

**Service Temperature Range:**

-40°F (-40°C) to +300°F (+150°C) constant operation.

**Maximum operating temperature:**

+300°F (+150°C)

**Air maximum temperature:**

through 5/8" ID: +185°F (+85°C)

above 5/8" ID: +230°F (+110°C)

*Note: Operating temperatures in excess of +300°F (+150°C) may materially reduce the life of the hose.*

**Branding:**

Alfagomma 1SN Evolution HT ... WP ... MPa (... PSI) – EN 853 1SN ... Q/YR

Meets or exceeds the requirement of SAE J517 100R1 Type AT – EN 853 1SN

### Nominal Specifications

Series Number	Size Code	ID		OD		Max Working <sup>†</sup> Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TR1HT	03	3/16	4.8	0.44	11.2	3630	3.6	090.0	0.10		AF1	
TR1HT	04	1/4	6.4	0.50	12.7	3250	3.9	099.1	0.13	B	AF1	
TR1HT	05	5/16	7.9	0.56	14.2	3120	4.5	114.3	0.16	B	AF1	
TR1HT	06	3/8	9.5	0.65	16.5	2610	5.1	129.5	0.20	B	AF1	
TR1HT	08	1/2	12.7	0.78	19.9	2320	7.1	180.3	0.26	B	AF1	
TR1HT	10	5/8	15.9	0.91	23.0	1900	7.9	200.7	0.29	B	AF1	
TR1HT	12	3/4	19.1	1.06	27.0	1530	9.5	241.3	0.37	B	AF1	
TR1HT	16	1	25.4	1.38	35.0	1280	11.8	299.7	0.59	B	AF1	
TR1HT	20	1 1/4	31.8	1.66	42.1	920	16.5	419.1	0.71		D	AF1
TR1HT	24	1 1/2	38.1	1.94	49.2	730	19.7	500.4	0.90		D	AF1
TR1HT	32	2	50.8	2.46	62.4	600	24.8	629.9	1.24		D	AF1

<sup>†</sup> Minimum burst pressure 4-to-1 safety factor.

**Freight:** Hydraulic Hose can be combined with other KOA products for qualifying prepaid freight orders.

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

HOSES

ONE-PIECE B SERIES

ONE-PIECE D SERIES

ONE-PIECE F & P SERIES

TWO-PIECE FERRULES (A & PFR SERIES)

TWO-PIECE INSERTS (A SERIES)

TWO-PIECE INTERLOCK FERRULES & INSERTS (X & Z SERIES)

QUICK RELEASE

ASSEMBLY EQUIPMENT

TECHNICAL INFORMATION