

Two wire braid or four wire spiral reinforced hydraulic hose with SUPERTUFF cover – AT4KST



AT4KST – Double wire braid and Four wire spiral

Specification Reference:
 EN 857 2SC (1/2),
 SAE 100 R12 (3/8, 3/4, 1),
 EN 856 4SH (1 1/2, 2)
 – Meets flame resistance acceptance designation US MSHA IC-152/8.

Construction:

Tube – Synthetic rubber, black... oil-resistant.

Reinforcement – Double high tensile steel wire compact braid or four layers of spirally wrapped high tensile steel wire reinforcement separated by synthetic rubber cushion on a fabric layer.

Cover – Synthetic rubber, black... oil, fuel, weather, ozone and abrasion-resistant.

Branding – ALFAGOMMA AT4K SUPERTUFF ID...WP 28 MPa BP 112 MPa MSHA IC-152/8 – Q/YR

Applications:

High pulsating pressure service with petroleum based hydraulic fluids. Developed to withstand punishing conditions and to meet increasing pressure pulsing, flexing and temperature demands not currently covered by International specifications.

Features extraordinary flexibility, excellent bend radii properties, superior performance under flex-impulse conditions, and exceptional long life. Tested over 1,000,000 impulse cycles at 133% of rated working pressure at 250°F (121°C).

Temperature Range: -40°F (-40°C) to 250°F (121°C) constant operation.

Maximum operating temperature: 250°F (121°C). **Air maximum temperature:** 175°F (80°C).

Note: Operating temperatures in excess of 250°F (121°C) may materially reduce the life of the hose.

Nominal Specifications

Series Number	Size Code	Nominal ID		Nominal OD		Max Working† Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./ft.)	Coupling Recommendations		
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp One-Piece	Two-Piece Couplings	
											Ferrule Non-Skive	Ferrule Interlock
AT4KST①	08	1/2	12.7	0.81	20.6	4,500	3.5	90	0.35	D	AF4	XF2
AT4KST①	10	5/8	15.9	1.08	27.4	4,000	4.0	100	0.74	D	AF4	XF2
AT4KST	12	3/4	19.0	1.21	30.7	4,000	5.0	125	0.87	D	AF4	XF2
AT4KST	16	1	25.4	1.50	38.0	4,000	6.0	150	1.28	D	AF4	XF2
AT4KST	20	1 1/4	31.8	1.87	47.5	4,000	9.0	230	1.81			XF2
AT4KST	24	1 1/2	38.1	2.10	53.5	4,000	17.7	450	2.22			XF2
AT4KST	32	2	50.8	2.68	68.1	4,000	23.4	595	3.23			XF2

① Double steel wire braid. All others are four wire spiral reinforced.

† 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.