

Four and six wire spiral reinforced hydraulic hose with SUPERTUFF cover – AT6KST



AT6KST – Four and six wire spiral

All Alfatech 6000 hydraulic hose meets or exceeds the working and burst pressure requirements of SAE 100 R15 – Meets flame resistance acceptance designation US MSHA IC-152/8.

Construction:

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

Reinforcement – Four or six 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 AT6K SUPERTUFF ID...WP 42 MPa BP 168 MPa MSHA IC-152/8 - Q/YR

Applications:

Extremely high pressure high impulse service with petroleum based hydraulic fluids such as hydrostatic transmissions. 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 120% 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)		Two-Piece Couplings	
										Ferrule Interlock	
AT6KST ^①	10	5/8	15.9	1.14	28.6	6,000	10.0	250	0.88	XF2	
AT6KST ^①	12	3/4	19.0	1.27	32.2	6,000	10.5	267	1.08	XF2	
AT6KST ^①	16	1	25.4	1.52	38.7	6,000	11.0	280	1.35	XF2	

^① Four wire spiral reinforced. All others are six 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.