

# Alfatech 5000 MINETUFF Hydraulic Hose



## Two wire braid and four or six wire spiral reinforced hydraulic hose with MINETUFF cover – AT5KMT

### AT5KMT – Two wire braid, four or six wire spirals

Specification Reference:

EN 856 4SP (5/8, 3/4),

EN 856 4SH (1),

SAE 100 R13 (1 1/4, 1 1/2, 2)

– 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 AT5K MINETUFF ID...WP  
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.

**Temperature Range:** -40°F (-40°C) to 250°F (121°C) constant operation, 212°F (100°C) for braided hoses.

**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 <sup>†</sup> Pressure (psi)	Min. Bend. Radius		Approx. Weight (lbs./ft.)	Coupling Recommendations		
		(in.)	(mm)	(in.)	(mm)		(in.)	(mm)		AlfaCrimp One-Piece	Ferrule Skive	Ferrule Interlock
AT5KMT	08	1/2	13	0.81	20.7	5,000	4.0	101	0.53		AS2	XF2
AT5KMT②	10	5/8	16	1.11	28.2	5,000	5.0	125	0.71		AS2	XF2
AT5KMT②	12	3/4	19	1.27	32.2	5,510	5.6	140	0.97	F	AS4	XF2
AT5KMT②	16	1	25	1.52	38.7	5,510	7.6	190	1.32	F		XF1
AT5KMT	20	1 1/4	32	1.79	45.5	5,000	9.6	240	1.66	F	M	XF1
AT5KMT	24	1 1/2	38	2.26	57.3	5,000	19.0	475	3.25	F		XF1
AT5KMT	32	2	51	2.80	71.1	5,000	21.8	545	4.41		M	XF1

① Double wire braid. ② Four wire spiral reinforced. All others are six wire spiral reinforced.

<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.