



alfabiotech EVOLUTION
E6KST Series
6000 PSI Supertuff Hydraulic Hose

NEW

GENERAL APPLICATIONS

Developed to withstand very demanding conditions; very high performance in pressure, pulsing and flexing

CONSTRUCTION

Tube: Oil resistant synthetic rubber and biodegradable hydraulic fluids
Reinforcement: Four/six high tensile steel spirals (4S/6S)
Cover: Abrasion, ozone and hydrocarbon resistant synthetic rubber:
Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +250°F (+121°C)

BRANDING

ALFAGOMMA ALFABIOTECH EVOLUTION 6K SUPERTUFF ... 6000 PSI (42 MPa) – ISO 18752/CC- MSHA IC- 152/16 – MADE IN ITALY

LENGTH

Random up to 1" - 100 feet from 1 1/4" to 1 1/2"

COMPLIANCE DETAILS

Compliances		Size
	EN856 4SP	1/4", 3/8" and 1/2"
	EN856 4SH	3/4" and 1"
	SAE 100R15	1" through 2"
	ISO 18752/CC 1,000,000+ impulse cycles	All sizes
	MSHA IC-152/7 approved flame resistance	All sizes

Series Number	Size Code	ID		OD		Max. Working Pressure (psi) at 68°F	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Ferrule Skive	Ferrule Interlock
E6KST	4	1/4	6.4	0.67	17.0	6000	2.36	60.0	0.35	S	AS4	
E6KST	6	3/8	9.5	0.78	19.8	6000	2.95	75.0	0.42	S	AS4	
E6KST	8	1/2	12.7	0.89	22.5	6000	3.54	90.0	0.48	S	AS4	
E6KST	10	5/8	15.9	1.09	27.8	6000	3.94	100.0	0.80	S		XF1 YS1
E6KST	12	3/4	19.1	1.20	30.6	6000	4.72	120.0	0.93	S F		XF2 YS2
E6KST	16	1	25.4	1.50	38.2	6000	5.91	150.0	1.30	S F		XF2 YS2
E6KST	20	1 1/4	31.8	1.87	47.6	6000	8.86	225.0	2.01	S F		XF1 YS1
E6KST	24	1 1/2	38.1	2.14	54.4	6000	12.01	305.0	2.80	S		XF1 YS1
E6KST	32	2	50.8	2.70	68.7	6000	14.96	380.0	4.09			ZF1

† 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.