



Hydraulic Hose Index

	ABT2K - Alfabiotech 2000 MINETUFF ... 30		Autolock Braided Push-On Hose.....58-59
	ABT3K - Alfabiotech 3000 MINETUFF ... 31		Flexor Rig - MINETUFF Rotary..... 69
	ABT4K - Alfabiotech 4000 MINETUFF ... 32		PF151R3 - Piranhaflex™ 100R3..... 46
	ABT5K - Alfabiotech 5000 MINETUFF ... 33		PF267/PF267NC - Piranhaflex™ 100R7..... 50
	ABT5KST - Alfabiotech 5000 SUPERTUFF..... 39		PF321TC - Piranhaflex™ “Specialty” 56
	ABT6K - Alfabiotech 6000 MINETUFF ... 35		PF344LMT - Piranhaflex™ “Specialty” 57
	ABT6KST - Alfabiotech 6000 SUPERTUFF..... 40		PF354/PF354NC - Piranhaflex™ 100R7..... 48
	ABTP5K - Alfabiotech 5500 Plus MINETUFF 34		PF354TL & PF354NCTL - Piranhaflex™ Twin Line 54
	AF3B - Alfaforest MINETUFF 28		PF427/PF427NC - Piranhaflex™ 100R18..... 53
	AT3KMT - Alfatech 3000 MINETUFF 27		PF415CP - Piranhaflex™47
	AT3KST - Alfatech 3000 SUPERTUFF 37		PF628/PF628NC - Piranhaflex™ 100R8.....51
	AT10KJ - Jack Hose..... 62		PF628TL & PF628NCTL- Piranhaflex™ Twin Line 54
	AT10KOC - Oilwell Cementing SUPERTUFF..... 70		KK4BK/KK4BU - K-Kleen 4000 Pressure Washer Hose 66
			KK4PW - K-Kleen Assemblies 67
			PF528/528NC - Piranhaflex™ 100R8 52

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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

Hydraulic Hose Index

	PFP354/PFP354NC - Piranhaflex™ PLUS 100R7 49		TR5 - R5 One Wire Braid 61
	Piranha® Custom Twin Line 54		TR5HT - Evolution One Wire Braid 45
	TR1HT - Evolution 1SN/R1AT 43		WB10 - Waterblast MINETUFF 71
	TR2HT - Evolution 2SN/R2AT 44		WB15 - Waterblast MINETUFF 72
	TAJ5BK/TAJ5BU - Alfajet 400 Pressure Washer Hose 68		WB20 - Waterblast MINETUFF 73
	TF2LT - 2SC/R16 LT Low Temp 65		
	TF2MT - 2SC/R16 MINETUFF 25		
	TF2ST - 2SC/R16 SUPERTUFF 38		
	TF2TL - Twin MINETUFF 26		
	TR1MT - 1SN/R2AT MINETUFF 23		
	TR14C - R14 Convuluted PTFE/Stainless Braid 67		
	TR14TB - R14 PTFE/Stainless Braid 63		
	TR2MT - 2SN/R2AT MINETUFF 24		
	TR4XF - R4 Xtra-Flexible 100R4 60		

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AGENCY SPECIFICATIONS

The listings below are intended only as guides in identifying which ALFAGOMMA or Piranhaflex hoses comply with requirements of various agencies.

SAE – Society of Automotive Engineers

DIN – Deutsche Institute Normen

EN – European Norme

ISO – International Organization for Standardization

DNV – Det Norske Veritas

ABS – American Bureau of Shipping

GIG – Glowny Instytut Gornietwa

GL – Germanischer Lloyd

BV – Bureau Veritas

NKK – Nippon Kaiji Kyokai

RINA – Registro Navale Italiano

MSHA (US) – Mining Safety and Health Administration

USDOT – U.S. Department of Transportation

USCG – U.S. Coast Guard

HOSE TYPE			AGENCY												
Hose Series	Hose Description	Cat. Page	SAE J517	EN	ISO	ALFAGOMMA Proprietary Hose	DNV† GL	ABS	BV	NKK	RINA	Lloyd's Register	MSHA	USDOT	USCG
ABT2K	ALFABIOTECH 2000 MINETUFF	30			18572	X							X		
ABT3K	ALFABIOTECH 3000 MINETUFF	31	100R12		18752	X	X					X	X		X
ABT4K	ALFABIOTECH 4000 MINETUFF	32	100R12		18752	X	X	X				X	X		X
ABT5K	ALFABIOTECH 5000 MINETUFF	33	100R13		18752	X	X	X				X	X		X
ABT5KST	ALFABIOTECH 5000 SUPER-TUFF	39	100R13		18752	X	X	X				X	X		X
ABT6K	ALFABIOTECH 6000 MINETUFF	35	100R15		18752	X	X	X	X			X	X		X
ABT6KST	ALFABIOTECH 6000 SUPERTUFF	40	100R15		18752	X	X	X	X			X	X		
ABTP5K	ALFABIOTECH 5500 PLUS MINETUFF	34			18752	X	X	X				X	X		
AF3B	ALFAFOREST MINETUFF	28				X									
AT10KOC	OIL CEMENTING SUPERTUFF	73				X							X		
AT3KMT	ALFATECH 3000 MINETUFF	27	100R17	857	11237	X		X					X		
AT3KST	ALFATECH 3000 SUPERTUFF	37	100R17	857	11237	X		X					X		
FLEXOR RIG	FLEXOR RIG MINETUFF ROTARY	72				X							X		
PF151R3	PIRANHAFLEX 100R3	46													
PF267	PIRANHAFLEX 100R7	52	100R7												
PF267NC	PIRANHAFLEX 100R7	52	100R7												
PF321TC	PIRANHAFLEX SPECIALTY	60													
PF344LMT	PIRANHAFLEX SPECIALTY	61													
PF354	PIRANHAFLEX 100R7	48	100R7												
PF354TL	PIRANHAFLEX 100R7	58													
PF354NC	PIRANHAFLEX 100R7	48	100R7												
PF354NCTL	PIRANHAFLEX 100R7	58													
PF367	PIRANHAFLEX 100R7	51	100R7												
PF367NC	PIRANHAFLEX 100R7	51	100R7												
PF415CP	PIRANHAFLEX	47													
PF427	PIRANHAFLEX 100R18	57	100R18												
PF427NC	PIRANHAFLEX 100R18	57	100R18												
PF528	PIRANHAFLEX 100R8	56	100R8												
PF528NC	PIRANHAFLEX 100R8	56	100R8												
PF628	PIRANHAFLEX 100R8	55	100R8												
PF628TL	PIRANHAFLEX 100R8	58													
PF628NC	PIRANHAFLEX 100R8	55	100R8												
PF628NCTL	PIRANHAFLEX 100R8	58													
PFAN388NC	PIRANHAFLEX 100R7	53	100R7												

† Det Norske Veritas (DNV) approvals are with permanent (crimp) type fittings only

¶ Hose with MSHA (Mine Safety and Health Administration) approved cover will be accordingly on the layline

Listing may vary by hose style and size, for current and complete information, contact ALFAGOMMA or Piranhaflex for details.

* DOT Type All approval up to size -12

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Hose Selection Guide

AGENCY SPECIFICATIONS

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BV – Bureau Veritas
NKK – Nippon Kaiji Kyokai
RINA – Registro Navale Italiano

MSHA (US) – Mining Safety and Health Administration
USDOT – U.S. Department of Transportation
USCG – U.S. Coast Guard

HOSE TYPE			AGENCY												
Hose Series	Hose Description	Cat. Page	SAE J517	EN	ISO	ALFAGOMMA Proprietary Hose	DNV† GL	ABS	BV	NKK	RINA	Lloyd's Register	MSHA	USDOT	USCG
KK4BK	K-KLEEN 4000	69													
KK4BU	K-KLEEN 4000	69													
PFLT364	PIRANHAFLEX 100R7	54	100R7												
PFP354	PIRANHAFLEX 100R7	49	100R7												
PFP354NC	PIRANHAFLEX 100R7	50	100R7												
TR1HT	HIGH TEMP 1SN	43	100R1AT	853 1SN	1436	X	X								X
TR2HT	HIGH TEMP 2SN	44	100R2AT	853 2SN	1436	X									
TAJ5BK	ALFAJET 400	71				X									
TAJ5BU	ALFAJET 400	71				X									
TF2LT	2SC/R16 LOW TEMP	68	100R16	857 2SC	11237		X				X				
TF2MT	2SC/R16 MINETUFF	25	100R16	857 2SC	11237		X				X		X		X
TF2ST	2SC/R16 SUPERTUFF	38											X		
TR14C	R14 CONV. PTFE SS BRAID	67	100R14										X		
TR14TB	R14 PTFE SS BRAID	66	100R14												
TR1MT	1SN/R1AT MINETUFF	23	100R1AT	853 1SN	1436		X	X					X		X
TR2MT	2SN/R2AT MINETUFF	24	100R2AT	853 2SN	1436		X	X					X		X
TR4XF	R4 EXTRA FLEXIBLE SAE 100R4	63	100R4						X						
WB10	WATERBLAST MINETUFF	74													
WB15	WATERBLAST MINETUFF	75													
WB20	WATERBLAST MINETUFF	76													

HOSE TYPE			AGENCY												
Hose Series	Hose Description	Cat. Page	SAE J517	EN	ISO	ALFAGOMMA Proprietary Hose	DNV† GL	ABS	BV	NKK	RINA	Lloyd's Register	MSHA	USDOT	
TR5-R5	R5 ONE WIRE BRAID	64	100R5												X
TR5HT	R5 HIGH TEMP ONE WIRE BRAID	45	100R5			X									

† Det Norske Veritas (DNV) approvals are with permanent (crimp) type fittings only

¶ Hose with MSHA (Mine Safety and Health Administration) approved cover will be accordingly on the layline

Listing may vary by hose style and size, for current and complete information, contact ALFAGOMMA or Piranhaflex for details.

★ DOT Type All approval up to size -12

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

MAXIMUM RECOMMENDED OPERATING PRESSURES

The table below is intended as a guide in the selection of hose by operating pressure. It is not a guarantee. The final selection is also dependent upon the type of fluid, ambient temperature, concentration of agent, intermittent or continuous exposure,

etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A.

Maximum Operating Pressures (psi)

Hose Series	Hose Description	Cat. Page	Diameter															
			(in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	
			DIN	3	5	6	8	10	12	16	20	25	32	38	50	63	76	
			Size	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48	
ABT2K	ALFABIOTECH 2000 MINETUFF	30														2000	2000	
ABT3K	ALFABIOTECH 3000 MINETUFF	31											3000	3000	3000		3000	
ABT4K	ALFABIOTECH 4000 MINETUFF	32						4000	4000	4000	4000	4000	4000	4200	4000			
ABT5K	ALFABIOTECH 5000 MINETUFF	33								5000	5000	5000	5000	5000	5000	5000		
ABT5KST	ALFABIOTECH 5000 SUPERTUFF	39								5000	5000	5000	5000	5000	5000			
ABT6K	ALFABIOTECH 6000 MINETUFF	35				6550		6450	6000	6000	6000	6000	6000	6000	6000			
ABT6KST	ALFABIOTECH 6000 SUPERTUFF	40				6550		6450	6000	6000	6000	6000	6000	6000	6000			
ABTP5K	ALFABIOTECH 5500 PLUS MINETUFF	34									5500	5500						
AF3B	ALFAFOREST MINETUFF	28						7280										
AT10KOC	OIL CEMENTING SUPERTUFF	73													10000			
AT3KMT	ALFATECH 3000 MINETUFF	27				3250		3120	3000	4000	3500	3000						
AT3KST	ALFATECH 3000 SUPERTUFF	37				3250		3000	3000		3500	3000						
FLEXOR RIG	FLEXOR RIG MINETUFF ROTARY	72										5000	5000	5000	5000	3000	3000	
PF151R3	PIRANHAFLEX 100R3	46				1500	1500	1250	1000									
PF267	PIRANHAFLEX 100R7	52			3000	2750	2500	2250	2000		1250							
PF267NC	PIRANHAFLEX 100R7	52			3000	2750	2500	2250	2000		1250							
PF321TC	PIRANHAFLEX SPECIALTY	60			6000	6000												
PF344LMT	PIRANHAFLEX SPECIALTY	61				2750		2250	2000		1500	1500						
PF354	PIRANHAFLEX 100R7	48		3000	3000	2750	2500	2250	2000		1250							
PF354TL	PIRANHAFLEX 100R7	58				2750		2250	2000									
PF354NC	PIRANHAFLEX 100R7	48		3000	3000	2750	2500	2250	2000		1250							
PF354NCTL	PIRANHAFLEX 100R7	58				2750		2250	2000									
PF367	PIRANHAFLEX 100R7	51			3000	2750	2500	2250	2000		1250							
PF367NC	PIRANHAFLEX 100R7	51			3000	2750	2500	2250	2000		1250							

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Maximum Operating Pressures (psi)

Hose Series	Hose Description	Cat. Page	Diameter														
			(in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			DIN	3	5	6	8	10	12	16	20	25	32	38	50	63	76
			Size	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
KK4BK	K-KLEEN 4000	69						4000	4000								
KK4BU	K-KLEEN 4000	69						4000	4000								
PF415CP	PIRANHAFLEX	47				1500	1500	1500	1500								
PF427	PIRANHAFLEX 100R18	57				3000		3000	3000								
PF427NC	PIRANHAFLEX 100R18	57				3000		3000	3000								
PF528	PIRANHAFLEX 100R8	56				5000		4000	3500		2250						
PF528NC	PIRANHAFLEX 100R8	56				5000		4000	3500		2250						
PF628	PIRANHAFLEX 100R8	55				5000		4000	3500		2250						
PF628TL	PIRANHAFLEX 100R8	58				5000		4000	3500								
PF628NC	PIRANHAFLEX 100R8	55				5000		4000	3500		2250						
PF628NCTL	PIRANHAFLEX 100R8	58				5000		4000	3500								
PFAN388NC	PIRANHAFLEX 100R7	53				3000		3000	3000								
PFLT364	PIRANHAFLEX 100R7	54				2750		2250	2000								
PFP354	PIRANHAFLEX 100R7	49				2750		2250	2000								
PFP354NC	PIRANHAFLEX 100R7	50				2750		2250	2000								
TR1HT	HIGH TEMP 1SN	43			3630	3250	3120	2610	2320	1900	1530	1280	920	730	600		
TR2HT	HIGH TEMP 2SN	44				5800	5000	4800	4000	3630	3120	2400	1820	1310	1200		
TAJ5BK	ALFAJET 400	71				5850	5850	5850	5850								
TAJ5BU	ALFAJET 400	71				5850	5850	5850	5850								
TF2LT	2SC/R16 LOW TEMP	68				6000		5000	4500	4000	3500	3000					
TF2MT	2SC/R16 MINETUFF	25				6000	5500	5000	4500	4000	3500	3000	2000	1820	1500	1100	1000
TF2ST	2SC/R16 SUPERTUFF	38				6000		5000	4500	4000	3500	3000					
TR14C	R14 PTFE SS BRAID	67						2000	1500	1200	1000	670	525	450	345		
TR14TB	R14 PTFE SS BRAID	66			4000	3500	3000	2600	2300	2000	1600	1000					
TR1MT	1SN/R1AT MINETUFF	23			3630	3250	3120	2610	2320	1900	1530	1280	920	730	600		
TR2MT	2SN/R2AT MINETUFF	24				5800	5000	4800	4000	3630	3120	2400	1820	1310	1200		
TR4XF	R4 EXTRA FLEXIBLE SAE 100R4	63									300	250	200	150	100	60	60
WB10	WATERBLAST MINETUFF	74						10000	10000		10000	10000					
WB15	WATERBLAST MINETUFF	75							16000		14500						
WB20	WATERBLAST MINETUFF	76				20000		20000	20000		20000						

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MAXIMUM RECOMMENDED OPERATING PRESSURES

The table below is intended as a guide in the selection of hose by operating pressure. It is not a guarantee. The final selection is also dependent upon the type of fluid, ambient temperature, concentration of agent, intermittent or continuous exposure,

etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A.

Maximum Operating Pressures (psi)

Flexor 5 100R5 Reduced Bore Sizes and Working Pressures

Hose Series	Hose Description	Diameter											
		Cat. Page	(in)	3/16	1/4	5/16	13/32	1/2	5/8	7/8	1 1/8	1 3/8	1 13/16
			Size	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
TR5-R5	R5 ONE WIRE BRAID	64		3000	3000	2250	2000	1750	1500	800	625	500	350
TR5HT	R5 HIGH TEMP ONE WIRE BRAID	45		3000	3000	2250	2000	1750	1500	800	625	500	350

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Hose Selection Guide

MAXIMUM RECOMMENDED OPERATING PRESSURES

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etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A

Maximum Operating Pressure (mpa)

Hose Series	Hose Description	Cat. Page	Diameter														
			(in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			DIN	3	5	6	8	10	12	16	20	25	32	38	50	63	76
			Size	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
ABT2K	ALFABIOTECH 2000 MINETUFF	30														13.79	13.79
ABT3K	ALFABIOTECH 3000 MINETUFF	31											20.68	20.68	20.68		20.68
ABT4K	ALFABIOTECH 4000 MINETUFF	32						27.58	27.58	27.58	27.58	27.58	27.58	28.96	27.58		
ABT5K	ALFABIOTECH 5000 MINETUFF	33								34.47	34.47	34.47	34.47	34.47	34.47	34.47	
ABT5KST	ALFABIOTECH 5000 SUPERTUFF	39								34.47	34.47	34.47	34.47	34.47	34.47		
ABT6K	ALFABIOTECH 6000 MINETUFF	35				45.16		44.47	41.37	41.37	41.37	41.37	41.37	41.37	41.37		
ABT6KST	ALFABIOTECH 6000 SUPERTUFF	40				45.16		44.47	41.37	41.37	41.37	41.37	41.37	41.37	41.37		
ABTP5K	ALFABIOTECH 5500 PLUS MINETUFF	34									37.92	37.92					
AF3B	ALFAFOREST MINETUFF	28						50.19									
AT10KOC	OIL CEMENTING SUPERTUFF	73													68.95		
AT3KMT	ALFATECH 3000 MINETUFF	27				22.41		21.51	20.68	27.58	24.13	20.68					
AT3KST	ALFATECH 3000 SUPERTUFF	37				22.41		20.68	20.68		24.13	20.68					
FLEXOR RIG	FLEXOR RIG MINETUFF ROTARY	72										34.47	34.47	34.47	34.47	20.68	20.68
PF151R3	PIRANHAFLEX 100R3	46				10.34	10.34	8.62	6.89								
PF267	PIRANHAFLEX 100R7	52			20.68	18.96	17.24	15.51	13.79		8.62						
PF267NC	PIRANHAFLEX 100R7	52			20.68	18.96	17.24	15.51	13.79		8.62						
PF321TC	PIRANHAFLEX SPECIALTY	60			41.37	41.37											
PF344LMT	PIRANHAFLEX SPECIALTY	61				18.96		15.51	13.79		10.34	10.34					
PF354	PIRANHAFLEX 100R7	48		20.68	20.68	18.96	17.24	15.51	13.79		8.62						
PF354TL	PIRANHAFLEX 100R7	58				18.96		15.51	13.79								
PF354NC	PIRANHAFLEX 100R7	48		20.68	20.68	18.96	17.24	15.51	13.79		8.62						
PF354NCTL	PIRANHAFLEX 100R7	58				18.96		15.51	13.79								
PF367	PIRANHAFLEX 100R7	51			20.68	18.96	17.24	15.51	13.79		8.62						
PF367NC	PIRANHAFLEX 100R7	51			20.68	18.96	17.24	15.51	13.79		8.62						
PF415CP	PIRANHAFLEX	47				10.34	10.34	10.34	10.34								

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Maximum Operating Pressure (mpa)

Hose Series	Hose Description	Cat. Page	Diameter															
			(in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3	
			DIN	3	5	6	8	10	12	16	20	25	32	38	50	63	76	
			Size	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48	
KK4BK	K-KLEEN 4000	69						27.58	27.58									
KK4BU	K-KLEEN 4000	69						27.58	27.58									
PF427	PIRANHAFLEX 100R18	57				20.68		20.68	20.68									
PF427NC	PIRANHAFLEX 100R18	57				20.68		20.68	20.68									
PF528	PIRANHAFLEX 100R8	56				34.47		27.58	24.13									
PF528NC	PIRANHAFLEX 100R8	56				34.47		27.58	24.13									
PF628	PIRANHAFLEX 100R8	55				34.47		27.58	24.13		15.51							
PF628TL	PIRANHAFLEX 100R8	58				34.47		27.58	24.13									
PF628NC	PIRANHAFLEX 100R8	55				34.47		27.58	24.13		15.51							
PF628NCTL	PIRANHAFLEX 100R8	58				34.47		27.58	24.13									
PFAN388NC	PIRANHAFLEX 100R7	53				20.68		20.68	20.68									
PFLT364	PIRANHAFLEX 100R7	54				18.96		15.51	13.79									
PFP354	PIRANHAFLEX 100R7	49				18.96		15.51	13.79									
PFP354NC	PIRANHAFLEX 100R7	50				18.96		15.51	13.79									
TR1HT	HIGH TEMP 1SN	43			25.03	22.41	21.51	18.00	16.00	13.10	10.55	8.83	6.34	5.03	4.14			
TR2HT	HIGH TEMP 2SN	44				40.00	34.47	33.09	27.58	25.03	21.51	16.55	12.55	9.03	8.27			
TAJ5BK	ALFAJET 400	71																
TAJ5BU	ALFAJET 400	71				40.33	40.33	40.33	40.33									
TF2LT	2SC/R16 LOW TEMP	68				41.37		34.47	31.03	27.58	24.13	20.68						
TF2MT	2SC/R16 MINETUFF	25				41.37	37.92	34.47	31.03	27.58	24.13	20.68	13.79	12.55	10.34	7.58	6.89	
TF2ST	2SC/R16 SUPERTUFF	38				41.37		34.47	31.03	27.58	24.13	20.68						
TR14C	R14 PTFE SS BRAID	67						13.79	10.34	8.27	6.89	4.62	3.62	3.10	2.38			
TR14TB	R14 PTFE SS BRAID	66			27.58	24.13	20.68	17.93	15.86	13.79	11.03	6.89						
TR1MT	1SN/R1AT MINETUFF	23			25.03	22.41	21.51	18.00	16.00	13.10	10.55	8.83	6.34	5.03	4.14			
TR2MT	2SN/R2AT MINETUFF	24				39.99	34.47	33.09	27.58	25.03	21.51	16.55	12.55	9.03	8.27			
TR4XF	R4 EXTRA FLEXIBLE SAE 100R4	63									2.59	2.07	1.72	1.03	0.69			
WB10	WATERBLAST MINETUFF	74						68.95	68.95		68.95	68.95						

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

Hose Selection Guide

MAXIMUM RECOMMENDED OPERATING PRESSURES

The table below is intended as a guide in the selection of hose by operating pressure. It is not a guarantee. The final selection is also dependent upon the type of fluid, ambient temperature, concentration of agent, intermittent or continuous exposure,

etc. For further details on a specific hose see the respective catalog pages or consult your local ALFAGOMMA or Piranhaflex Sales Engineer or ALFAGOMMA S.p.A

Maximum Operating Pressure (mpa)

Hose Series	Hose Description	Cat. Page	Diameter														
			(in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			DIN	3	5	6	8	10	12	16	20	25	32	38	50	63	76
			Size	-02	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32	-40	-48
WB15	WATERBLAST MINETUFF	75							110.32		99.97						
WB20	WATERBLAST MINETUFF	76				137.90		137.90	137.90		137.90						

Flexor 5 100R5 Reduced Bore Sizes and Working Pressures

Hose Series	Hose Description	Cat. Page	Diameter										
			(in)	3/16	1/4	5/16	13/32	1/2	5/8	7/8	1 1/8	1 3/8	1 13/16
			Size	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
TR5-R5	R5 ONE WIRE BRAID	64		20.68	20.68	15.51	13.79	12.07	10.34	5.52	4.31	3.45	2.41
TR5HT	R5 HIGH TEMP ONE WIRE BRAID	45		20.68	20.68	15.51	13.79	12.07	10.34	5.52	4.31	3.45	2.41

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



MINETUFF COVER HIGH ABRASION RESISTANCE



New Economical Alternative for High Abrasion Applications

MINETUFF is a special cover for hydraulic hose, which dramatically increase resistance to environmental and severe application damages.

Features:

- Excellent abrasion resistance (10 times higher than EN-ISO 6945 requirements)
- Reduces the need for any protective sleeve in applications requiring high abrasion resistance
- UV and ozone resistance (hose ageing reduction)

Applications:

- Mining and earth-moving machines (MINETUFF is abrasion resistant)
- Machineries for forestry (MINETUFF is resistant to impact-caused damage)
- Offshore applications (MINETUFF is ozone and UV resistant)
- Machineries for chemical plants (MINETUFF is resistant to most of the chemical agents)

Abrasion Resistance:

Tests according to EN-ISO 6945 norms (weight 50+/-5N) state that the maximum allowed loss of weight is 0.5g:

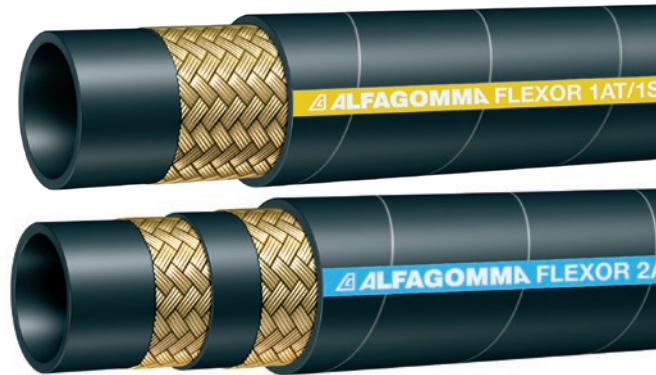
- Standard cover: 0.15g after 2,000 cycles
- MINETUFF cover: 0.02g after 2,000 cycles

Flame Resistance:

MINETUFF cover is MSHA IC-152/16 approved flame resistance.

UV Rays and Chemicals:

MINETUFF cover is resistant to UV, animal fats, acids, and any other environmental stress.



Tests run according to EN-ISO, DIN and SAE specs show that MINETUFF can guarantee performances, highly superior to the standards.

Futhermore, MINETUFF was developed to be flame resistant, and it passed the Mine Safety and Health Administration severe tests.

MINETUFF is the solution that, together with the Alfabiotech range, will help satisfy any demand for elevated performances and diameters.

Single wire braid hydraulic hose on easy-to-handle reels – TR1MT - MINETUFF



TR1MT – Single wire braid

Meets or exceeds
ISO 1436-1 - SAE 100 R1AT/R1S
EN 853 1SN
MSHA IC-152/16 approved flame
resistance



General Applications:

Medium pressure service with high temperature petroleum-based hydraulic fluids, hot oil, grease, lubricants and crude oils, air and water. For air or gas application above 250 psi (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Seamless synthetic rubber, black... oil-resistant.

Reinforcement – High tensile steel wire braid.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA FLEXOR 1SN ID ...WP ...MPa (...PSI) – SAE 100 R1AT – EN 853 1SN MSHA IC-152/16...Q/YR DN ...

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TR1MT	03	3/16	4.8	0.44	11.2	3630	3.6	090.0	0.10		AF1	
TR1MT	04	1/4	6.4	0.50	12.7	3250	3.9	099.1	0.13	B	AF1	
TR1MT	05	5/16	7.9	0.56	14.2	3120	4.5	114.3	0.16	B	AF1	
TR1MT	06	3/8	9.5	0.65	16.5	2610	5.1	129.5	0.20	B	AF1	
TR1MT	08	1/2	12.7	0.78	19.9	2320	7.1	180.3	0.26	B	AF1	
TR1MT	10	5/8	15.9	0.91	23.0	1900	7.9	200.7	0.29	B	AF1	
TR1MT	12	3/4	19.1	1.06	27.0	1530	9.5	241.3	0.37	B	AF1	
TR1MT	16	1	25.4	1.38	35.0	1280	11.8	299.7	0.59	B	AF1	
TR1MT	20	1 1/4	31.8	1.66	42.1	920	16.5	419.1	0.71	B	D	AF1
TR1MT	24	1 1/2	38.1	1.94	49.2	730	19.7	500.4	0.90	B	D	AF1
TR1MT	32	2	50.8	2.46	62.4	600	24.8	629.9	1.24	B	D	AF1

† 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

TR2MT - 2SN/R2AT MINETUFF



Double wire braid hydraulic hose on easy-to-handle reels –TR2MT - MINETUFF

TR2MT – Double wire braid

Meets or exceeds SAE 100 R2AT
ISO 1436-1 - SAE 100 R2AT/R2S
EN 853 2SN MSHA IC-152/16
approved flame resistance



General Applications:

Medium pressure service with high temperature petroleum-based hydraulic fluids, hot oil, grease, lubricants and crude oils, air and water. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Seamless synthetic rubber, black... oil-resistant.

Reinforcement – High tensile steel wire braid.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding

ALFAGOMMA FLEXOR 2SN ID ...WP ...MPa (...PSI) – SAE 100R2AT - EN 853 2SN DN ... MSHA IC-152/16 - Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations			
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece		Two-Piece Ferrule Non-Skive	
TR2MT	04	1/4	6	0.57	14.5	5800	4.0	100	0.22	B		AF2	
TR2MT	05	5/16	8	0.63	16.1	5000	4.6	115	0.23	B		AF2	
TR2MT	06	3/8	9.5	0.72	18.2	4800	4.9	124.5	0.32	B		AF2	
TR2MT	08	1/2	12.7	0.84	21.3	4000	6.8	172.7	0.36	B	D	AF2	
TR2MT	10	5/8	15.9	0.96	24.5	3630	7.8	198.1	0.45	B	D	AF2	
TR2MT	12	3/4	19.1	1.13	28.6	3120	9.4	238.8	0.58	B	D	AF2	
TR2MT	16	1	25.4	1.44	36.6	2400	11.8	299.7	0.83	B	D	AF2	
TR2MT	20	1 1/4	31.8	1.81	46.0	1820	16.5	419.1	1.19	B	D	AF2	
TR2MT	24	1 1/2	38.1	2.08	52.8	1310	19.6	497.8	1.37	B	D	AF2	
TR2MT	32	2	50.8	2.58	65.6	1200	24.8	629.9	1.86	B	D	AF2	

[†] 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.

Double compact wire braid hydraulic hose on easy-to-handle reels – TF2MT



TF2MT– Double wire braid

Meets or exceeds EN 857 2SC
and exceeds SAE 100 R16
MSHA IC-152/16 approved
flame resistance



General Applications:

High pressure service with tight bends with petroleum-based hydraulic fluids, water/glycol, water- and fire-resistant hydraulic fluids, hot oil, grease, lubricants, crude oil, fuel oils, air and water. Excellent impulse performance, exceeding 1,000,000 cycles when tested with appropriate ALFAGOMMA couplings. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Synthetic rubber, black.

Reinforcement – Two high tensile steel wire braids, separated by a layer of synthetic rubber.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:

+257°F (+125°C)

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA FLEXOPAK 2 ID ...WP ... MPa (... PSI) – EXCEEDS SAE 100 R16 – EN 857 2SC ... DN MSHA IC-152/16 ...Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TF2MT	04	1/4	6.4	0.51	13.0	6000	2.0	50.8	0.18	B		AF1
TF2MT	05	5/16	8.0	0.57	14.5	5500	2.2	57.0	0.22	B		AF1
TF2MT	06	3/8	9.5	0.66	16.8	5000	2.2	55.9	0.26	B		AF1
TF2MT	08	1/2	12.7	0.81	20.6	4500	3.5	88.9	0.34	B		AF1
TF2MT	10	5/8	15.9	0.91	23.2	4000	4.0	101.6	0.41	B		AF1
TF2MT	12	3/4	19.1	1.09	27.6	3500	4.7	119.4	0.53	B		AF1
TF2MT	16	1	25.4	1.40	35.5	3000	6.0	152.4	0.86	B	D	AF1
TF2MT	20	1 1/4	31.8	1.65	42.0	2000	8.3	210.8	0.92	B	D	AF1
TF2MT	24	1 1/2	38.1	1.96	49.9	1820	16.9	429.3	1.32	B	D	AF1
TF2MT	32	2	50.8	2.50	63.5	1500	21.6	548.6	1.71	B	D	AF1
TF2MT	40	2 1/2	63.5	3.01	76.4	1100	28.3	718.8	2.21	B		AFX
TF2MT	48	3	76.2	3.54	90.0	1000	34.6	878.8	2.58	B		AFX

† 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.

TF2TL TWIN - 2SC/R16 MINETUFF



NEW

Double compact wire braid hydraulic hose on easy-to-handle reels – TF2TL TWIN



TF2TL TWIN – Double wire braid

Meets or exceeds EN 857 2SC
and exceeds SAE 100 R16
MSHA IC-152/16 approved
flame resistance



General Applications:

High pressure service with tight bends with petroleum-based hydraulic fluids, water/glycol, water- and fire-resistant hydraulic fluids, hot oil, grease, lubricants, crude oil, fuel oils, air and water. Excellent impulse performance, exceeding 1,000,000 cycles when tested with appropriate ALFAGOMMA couplings. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Synthetic rubber, black.

Reinforcement – Two high tensile steel wire braids, separated by a layer of synthetic rubber.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:

+257°F (+125°C)

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA FLEXOPAK 2 ID ...WP ... MPa (... PSI) – EXCEEDS SAE 100 R16 – EN 857 2SC ... DN MSHA IC-152/16 ...Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations			
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive		
TF2TL	06	3/8	9.5	0.66	16.8	5000	2.2	55.9	0.53	B		AF1	
TF2TL	08	1/2	12.7	0.81	20.6	4500	3.5	88.9	0.71	B		AF1	

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.

One and two wire braid reinforced hydraulic hose with MINETUFF Cover – AT3KMT

AT3KMT – One and two wire braid

Meets or exceeds the working and burst pressure requirements of SAE 100 R17 –

Meets or exceeds EN 857 1SC
(Sizes 04 and 06)

MSHA IC-152/16 approved flame resistance

1 wire braid up thru 1/2"

2 wire braid all sizes over 1/2"



General Applications:

Medium pressure service with petroleum based hydraulic fluids such as hot oil, grease, lubricants, and crude oils, air and water.

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.

Construction:

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

Reinforcement – One or two layers of high tensile steel wire braid reinforcement.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:
+250°F (+121°C)

Air maximum temperature: +175°F (+80°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA AT3K MINETUFF ID...WP

MPa... MPa... SAE 100R17 - DN... MSHA IC-152/16 - Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
AT3KMT	04	1/4	6.4	0.47	2.0	3250	1.9	48.3	0.12	B		AF1
AT3KMT	06	3/8	9.5	0.61	15.4	3120	2.5	63.5	0.18	B		AF1
AT3KMT	08	1/2	12.7	0.76	19.2	3000	3.5	88.9	0.25	B		AF1
AT3KMT❶	10	5/8	15.9	0.91	23.2	4000	4.0	101.6	0.41	B		AF1
AT3KMT❶	12	3/4	19.1	1.09	27.6	3500	4.7	119.4	0.53	B		AF1
AT3KMT❶	16	1	25.4	1.40	35.5	3000	6.0	152.4	0.86	B	D	AF1
												AF2

† Minimum burst pressure 4-to-1 safety factor.

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

❶ Double steel wire braid . . . all others are single wire braid.

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

AF3B - Alfaforest MINETUFF

ALFAGOMMA®

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



NEW

**AF3B–
3 wire braid**

MSHA IC-152/16
approved flame
resistance



General Applications:

Hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils. Specially designed for ultra low temperature applications.

Construction:

Tube – Oil resistant ultra low temperature synthetic rubber.

Reinforcement – Three high tensile steel braids.

Cover – Oil, water, ozone and ultra low temperature resistant synthetic rubber.

Service Temperature Range:

-67°F (-55°C) to +212°F (+100°C) constant operation.

Air maximum temperature: +160°F (+70°C)

Branding:

ALFAGOMMA ALFAFOREST MINETUFF ID...WP MPa 50 (7280 PSI)... MSHA IC-152/16 - Q/YR - MADE IN ITALY

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Skive	
AF3B	06	3/8	9.5	0.85	21.7	7280	4.7	119.4	0.52	AS4	

Note: DH3SPT also available in 3/8" size for customers requiring ABS Approvals

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.

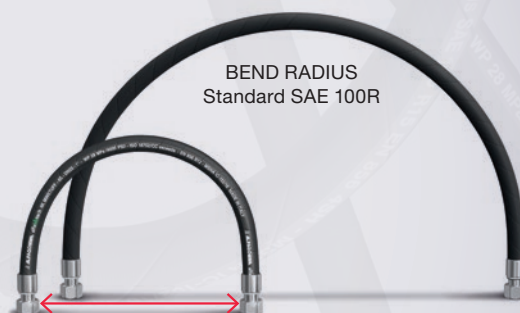
alfabiotech

**NEW EXTRA FLEXIBLE
BIO OIL RESISTANT
HOSE RANGE**



alfabiotech

- ▲ **SPECIALLY DESIGNED FOR BIO OIL FULL COMPATIBILITY**
- ▲ **EXTREME FLEXIBILITY: UP TO 50% BETTER BEND RADIUS COMPARED TO SAE 100R**
- ▲ **MINETUFF COVER FOR TOP ABRASION & OZONE RESISTANCE**
- ▲ **MSHA-APPROVED FIRE RESISTANT COVER**
- ▲ **ISO 18752/CC 1,000,000+ IMPULSE CYCLES ALL SIZES**



BEND RADIUS
Standard SAE 100R

**BEND RADIUS
reduced up to 50%**

ABT2K - Alfabiotech 2000 MINETUFF



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

Alfabiotech 2000 MINETUFF - ABT2K Hydraulic Hose



ABT2K- 4 Spirals

MSHA IC-152/16 approved
flame resistance

ISO 18752/CC 1,000,000+
impulse cycles all sizes



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 high tensile steel spirals.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

Branding:

Alfagomma Alfabiotech 2K Minetuff 2000 PSI Hydraulic Service - 3200 PSI Slim Hole Rotary Service MSHA IC-152/16 Made in Italy

Length:

100 feet. 200 foot lengths available upon request.

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Skive	Ferrule Interlock
ABT2K	40	2 1/2	63.5	3.11	79.0	2000*	28.3	718.8	3.33	VS4	XF1
ABT2K	48	3	76.2	3.64	92.5	2000*	33.0	838.2	3.64	VS4	

*Note: Slim Hole Rotary Hose Working Pressure 3200 psi, Hydraulic Service 2000 psi.

† Minimum burst pressure 4-to-1 hydraulic service/2.5-to-1 slim hole rotary.

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.

Alfabiotech 3000 MINETUFF - ABT3K Hydraulic Hose

ABT3K - 4 or 6 wire spiral

Exceeds SAE 100R12 all sizes
ISO 18752/CC 1,000,000+ impulse cycles all sizes
MSHA IC-152/16 approved flame resistance



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.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)



Branding:

ALFAGOMMA ALFABIOTECH 3K MINETUFF
... WP 21 MPa (3000 PSI) - ISO 18752/CC
- exceeds SAE 100 R12 - MSHA IC-152/16 -
MADE IN ITALY

-48 Branding: Alfagomma Alfabiotech 3K 3000 PSI Hydraulic Service - 5000 PSI Slim Hole Rotary Service - MSHA IC-152/16

Length:

200 feet from 1 1/4" to 1 1/2" - 100 feet for 2" and 3"

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Ferrule Non-Skive	Ferrule Skive & Interlock
ABT3K	20	1 1/4	31.8	1.80	47.5	3000	9.0	228.6	1.52	D	AF4	AS4
ABT3K	24	1 1/2	38.1	2.04	51.8	3000	16.5	419.1	1.86	D	AF4	AS4
ABT3K	32	2	50.8	2.63	66.8	3000	22.0	558.8	2.69	D		AS4
ABT3K	48	3	76.2	3.76	95.6	3000*	35.4	899.2	5.35			ZF1

*Note: Slim Hole Rotary Hose Working Pressure 5000 psi, Hydraulic Service 3000 psi.

Minimum burst pressure 4-to-1 hydraulic service, 2.5-to-1 slim hole rotary.

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.

ABT4K - Alfabiotech 4000 MINETUFF



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

Alfabiotech 4000 MINETUFF - ABT4K Hydraulic Hose



ABT4K - 4 wire spiral

Exceeds SAE 100R12 sizes 3/4" and 1"
Exceeds EN856 4SH sizes 1 1/2" and 2"
ISO 18752/CC 1,000,000+ impulse cycles all sizes
MSHA IC-152/16 approved flame resistance



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 high tensile steel spirals.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

Branding:

ALFAGOMMA ALFABIOTECH 4K MINETUFF ...
WP 28 MPa (4000 PSI) - ISO 18752/CC - MSHA IC-152/16 - MADE IN ITALY

Length:

Random up to 1" - 200 feet from 1 1/4" to 2"

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece	
											Ferrule Non-Skive	Ferrule Skive & Interlock
ABT4K	06	3/8	9.5	0.79	20.1	4000	2.9	73.7	0.42	D	AF4	
ABT4K	08	1/2	12.7	0.91	23.1	4000	3.5	88.9	0.51	D	AF4	
ABT4K	10	5/8	15.9	1.04	26.4	4000	4.6	116.8	0.63	D	AF4	
ABT4K	12	3/4	19.1	1.16	29.5	4000	4.7	119.4	0.83	D	AF4	AS4
ABT4K	16	1	25.4	1.48	37.6	4000	5.9	149.9	1.11	D	AF4	AS4
ABT4K	20	1 1/4	31.8	1.80	45.7	4000	10.2	259.1	1.53	D	AF4	
ABT4K	24	1 1/2	38.1	2.04	51.8	4200	16.5	419.1	1.99			XF2
ABT4K	32	2	50.8	2.63	66.8	4000	20.8	528.3	3.01	F		XF2

† 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.

Alfabiotech 5000 MINETUFF - ABT5K Hydraulic Hose

ABT5K - 4 or 6 wire spiral

Exceeds EN856 4SP sizes 5/8", 3/4" and 1"

Exceeds EN856 4SH sizes 1 1/4"

Exceeds SAE 100R13 sizes 5/8" through 2"

ISO 18752/CC 1,000,000+ impulse cycles all sizes

MSHA IC-152/16 approved flame resistance



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.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

Branding:

ALFAGOMMA ALFABIOTECH 5K MINETUFF ... WP 35 MPa (5000 PSI) - ISO 18752/CC - MSHA IC-152/16 - MADE IN ITALY

Length:

Random up to 1" - 200 feet from 1 1/4" to 1 1/2" - 100 feet from 2" to 2 1/2"

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece	
											Ferrule Skive	Ferrule Interlock
ABT5K	10	5/8	15.9	1.04	26.3	5000	5.5	139.7	0.63		AS4	
ABT5K	12	3/4	19.1	1.22	31.0	5000	5.9	149.9	0.83	F	AS4	XF2
ABT5K	16	1	25.4	1.48	37.6	5000	7.0	177.8	1.13	D	AS4	XF2
ABT5K	20	1 1/4	31.8	1.80	45.8	5000	11.0	279.4	1.70	F		XF2
ABT5K	24	1 1/2	38.1	2.22	56.5	5000	19.6	497.8	3.02	F		XF1
ABT5K	32	2	50.8	2.76	70.2	5000	21.6	548.6	4.14	F		XF1
ABT5K	40	2 1/2	63.5	3.26	82.8	5000	32.3	820.4	5.08			XF1

[†] 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

ABTP5K - Alfabiotech 5500 MINETUFF



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

Alfabiotech 5500 PLUS MINETUFF - ABTP5K Hydraulic Hose



ABTP5K - 4 wire spiral

Exceeds SAE 100R13 all sizes
ISO 18752/CC 1,000,000+ impulse cycles all sizes
MSHA IC-152/16 approved flame resistance



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 high tensile steel spirals.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

Branding:

ALFAGOMMA ALFABIOTECH 5K PLUS MINETUFF ... WP 38 MPa (5500 PSI) - exceeds ISO 18752/CC - SAE 100 R13 - MSHA IC-152/16 - MADE IN ITALY

Length:

Random

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Skive	Ferrule Interlock
ABTP5K	12	3/4	19.1	1.22	31.0	5500	7.1	180.3	0.89	AS4	XF2
ABTP5K	16	1	25.4	1.51	38.3	5500	8.3	210.8	1.30		XF2

[†] 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.

Alfabiotech 6000 MINETUFF - ABT6K Hydraulic Hose

ABT6K - 4 or 6 wire spiral

Exceeds EN856 4SP sizes 1/4", 3/8" and 1/2"

Exceeds EN856 4SH sizes 3/4" and 1"

Exceeds SAE 100R15 sizes 1" through 2"

ISO 18752/CC 1,000,000+ impulse cycles all sizes

MSHA IC-152/16 approved flame resistance



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.

Cover – Abrasion, ozone and hydrocarbon resistant synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C)

Branding:

ALFAGOMMA ALFABIOTECH 6K MINETUFF ... WP 45 MPa (6550 PSI) - ISO 18752/CC- MSHA IC- 152/16 - MADE IN ITALY

Length:

Random up to 1" - 200 feet from 1 1/4" to 1 1/2" - 100 feet for 2"

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece	
											Ferrule Skive	Ferrule Interlock
ABT6K	04	1/4	6.4	0.68	17.3	6550	2.4	61.0	0.37		AS4	
ABT6K	06	3/8	9.5	0.79	20.1	6450	3.0	76.2	0.42		AS4	
ABT6K	08	1/2	12.7	0.91	23.0	6000	3.5	88.9	0.51		AS4	
ABT6K	10	5/8	15.9	1.11	28.2	6000	7.1	180.3	0.81			XF1
ABT6K	12	3/4	19.1	1.24	31.4	6000	8.2	208.3	0.97	F		XF2
ABT6K	16	1	25.4	1.50	38.2	6000	9.8	248.9	1.32	F		XF2
ABT6K	20	1 1/4	31.8	1.94	49.3	6000	17.5	444.5	2.29	F		XF1
ABT6K	24	1 1/2	38.1	2.22	56.5	6000	20.8	528.3	3.02			XF1
ABT6K	32	2	50.8	2.80	71.0	6000	25.5	647.7	4.37			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.

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

SUPERTUFF cover hydraulic hose helps reduce downtime

In order to help customers significantly reduce downtime costs, created by the need to replace hoses on hydraulic equipment, as a result of premature failure due to wire reinforcement exposure, ALFAGOMMA has developed SUPERTUFF, a new cover material.

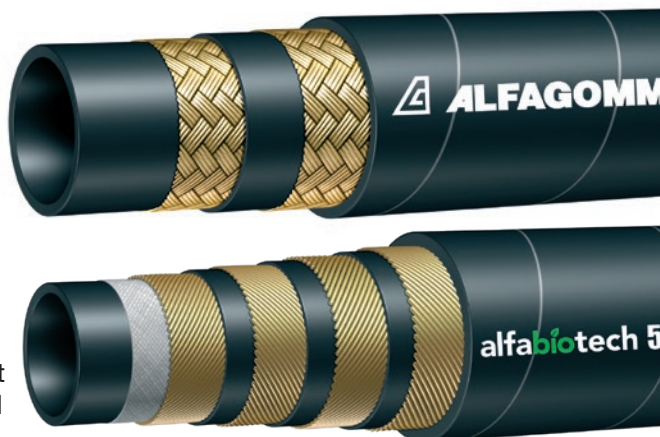
All of the hydraulic hoses illustrated in this catalog are available with the new SUPERTUFF cover. Contact Kuriyama of America for details.

SUPERTUFF dramatically increases resistance to external damage from both the working environment and routing of hoses in areas which can be exposed to severe abrasion or impact.

SUPERTUFF's abrasion resistance is derived from a low coefficient of friction allowing it to slide over rough surfaces. Tests made to European and U.S. specifications show that SUPERTUFF outperforms standard rubber covers as well as polyurethane covers by a huge margin. These and other technical details are available upon request.

ALFAGOMMA SUPERTUFF should be of interest to manufacturers of machinery that utilizes flexible hydraulic lines that are exposed to extreme external conditions. Even standard hose installations which have previously used a plastic spiral strip over the hose cover can benefit from using a hose with a SUPERTUFF cover.

Loosely applied protective coverings that have traditionally been used can expose weak points and become detached during impulse, abrasion or impact. SUPERTUFF is not a separate layer of material added to an existing hose. It is an integrally bonded part of the hose itself. The cover adhesion levels of SUPERTUFF exceed European Norms and, because it is bonded, SUPERTUFF will contract and expand under impulse pressure together with the rest of the hose without becoming detached.



A few of the many typical applications where this new product can prolong the life expectancy of hydraulic hose are:

APPLICATION	BENEFITS OF SUPERTUFF COVER
Mining & Earthmoving Equipment	SUPERTUFF resists abrasion
Forestry Equipment	SUPERTUFF resists impact damage
Offshore Oil Rigs	SUPERTUFF resists high ozone and UV exposure
Sub Sea Applications	SUPERTUFF is water repellent – no absorption
Equipment for the Chemical Process Industries	SUPERTUFF resists most chemicals

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

Single and double compact wire braid hydraulic hose with SUPERTUFF cover – AT3KST



AT3KST – Single or double wire braid

Meets or exceeds SAE 100 R17

Meets or exceeds EN 857 1SC
(Sizes -04 and -06)

MSHA IC-152/7 approved flame resistance



General Applications:

Medium pressure service with petroleum-based hydraulic fluids, hot oil, grease, lubricants and crude oils, air and water. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Synthetic rubber, black.

Reinforcement – One or two layer high tensile steel wire braid.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:
+257°F (+125°C)

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of 212°F (100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA AT3K SUPERTUFF ID ...WP ... MPa (...PSI) – SAE 100R17 – DN ... MSHA IC-152/7 - Q/YR

Note: Sizes -04 and -06 include “EN 857 1SC” on layline.

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
AT3KST	04	1/4	6.4	0.47	2.0	3250	1.9	48.3	0.12	B		AF1
AT3KST	06	3/8	9.5	0.61	15.4	3000	2.5	63.5	0.18	B		AF1
AT3KST	08	1/2	12.7	0.76	19.2	3000	3.5	88.9	0.25	B		AF1
AT3KST❶	12	3/4	19.1	1.09	27.6	3500	4.7	119.4	0.53	B		AF1
AT3KST❶	16	1	25.4	1.40	35.5	3000	6.0	152.4	0.86	B		AF1

† Minimum burst pressure 4-to-1 safety factor.

❶ Double steel wire braid . . . all others are single wire braid.

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.

SUPERTUFF - TF2ST Hydraulic Hose

TF2ST – Double wire braid

Meets or exceeds EN 857 2SC

Exceeds SAE 100 R16

MSHA IC-152/7 approved flame resistance



General Applications:

High pressure service with tight bends with petroleum-based hydraulic fluids, water/glycol, water- and fire-resistant hydraulic fluids, hot oil, grease, lubricants, crude oil, fuel oils, air and water. Excellent impulse performance, exceeding 1,000,000 cycles when tested with appropriate ALFAGOMMA couplings. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

Tube – Synthetic rubber, black.

Reinforcement – Two high tensile steel wire braids, separated by a layer of synthetic rubber.

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

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:

+257°F (+125°C)

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA FLEXOPAK 2 SUPERTUFF ID ...

WP ... MPa (...PSI) – EXCEEDS SAE 100 R16 –

EN 857 2SC ...DN ... MSHA IC-152/7 ...Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bend Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TF2ST	04	1/4	6.4	0.51	13.0	6000	2.0	50.8	0.19	B		AF1
TF2ST	06	3/8	9.5	0.66	16.8	5000	2.5	63.5	0.27	B		AF1
TF2ST	08	1/2	12.7	0.81	20.6	4500	3.5	88.9	0.35	B		AF1
TF2ST	10	5/8	15.9	0.92	23.4	4000	3.9	99.1	0.41	B		AF1
TF2ST	12	3/4	19.1	1.09	27.6	3500	4.7	119.4	0.55	B		AF1
TF2ST	16	1	25.4	1.40	35.5	3000	5.9	149.9	0.82	B		AF1

† 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.

Alfabiotech 5000 SUPERTUFF - ABT5KST Hydraulic Hose



ABT5KST - 4 or 6 wire spiral

Exceeds EN856 4SP sizes 5/8", 3/4" and 1"

Exceeds EN856 4SH sizes 1 1/4"

Exceeds SAE 100R13 sizes 1 1/2" and 2"

ISO 18752/CC 1,000,000+ impulse cycles all sizes

MSHA IC-152/7 approved flame resistance



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.

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 5K SUPERTUFF ... WP 35 MPa (5000 PSI) - ISO 18752/CC - MSHA IC-152/7 - MADE IN ITALY

Length:

Random up to 1" - 200 feet from 1 1/4" to 2"

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece	
											Ferrule Skive	Ferrule Interlock
ABT5KST	10	5/8	15.9	1.04	26.3	5000	5.5	139.7	0.63		AS4	XF2
ABT5KST	12	3/4	19.1	1.24	31.6	5000	5.9	149.9	0.87	F	AS4	XF2
ABT5KST	16	1	25.4	1.50	38.2	5000	7.1	180.3	1.14	F	AS4	XF2
ABT5KST	20	1 1/4	31.8	1.75	44.4	5000	11.0	279.4	2.00	F		XF2
ABT5KST	24	1 1/2	38.1	2.22	56.5	5000	18.7	474.9	3.09	F		XF1
ABT5KST	32	2	50.8	2.76	70.2	5000	21.5	546.1	4.28	F		XF1

[†] 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.

ABT6KST - Alfabiotech 6000 SUPERTUFF



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

Alfabiotech 6000 SUPERTUFF - ABT6KST Hydraulic Hose

ABT6KST - 4 or 6 wire spiral

Exceeds EN856 4SP sizes 1/4", 3/8" and 1/2"

Exceeds EN856 4SH sizes 3/4" and 1"

Exceeds SAE 100R15 sizes 1" through 2"

ISO 18752/CC 1,000,000+ impulse cycles all sizes

MSHA IC-152/7 approved flame resistance



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 6K SUPERTUFF ... WP 45 MPa (6550 PSI) - ISO 18752/CC-MSHA IC- 152/7 - MADE IN ITALY

Length:

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

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece	
											Ferrule Skive	Ferrule Interlock
ABT6KST	04	1/4	6.4	0.68	17.3	6550	2.4	61.0	0.37		AS4	
ABT6KST	06	3/8	9.5	0.79	20.1	6450	3.0	76.2	0.42		AS4	
ABT6KST	08	1/2	12.7	0.91	23.0	6000	3.5	88.9	0.51		AS4	XF2
ABT6KST	10	5/8	15.9	1.11	28.2	6000	7.1	180.3	0.81			XF1
ABT6KST	12	3/4	19.1	1.24	31.4	6000	8.2	208.3	0.97	F		XF2
ABT6KST	16	1	25.4	1.50	38.2	6000	9.8	248.9	1.32	F		XF2
ABT6KST	20	1 1/4	31.8	1.94	49.3	6000	17.5	444.5	2.29	F		XF1
ABT6KST	24	1 1/2	38.1	2.22	56.5	6000	20.8	528.3	3.02			XF1
ABT6KST	32	2	50.8	2.80	71.0	6000	25.5	647.7	4.37			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.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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

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Single wire braid HIGH TEMP 1SN
Meets or exceeds SAE 100R1AT - EN 853 1SN



Double wire braid HIGH TEMP 2SN
Meets or exceeds SAE 100R2AT - EN 853 2SN

Like any other product, hydraulic hose is only as good as the material from which it is made. Up until now, progress in improving the service life of hydraulic hose at elevated temperatures has been extremely slow. Although there have been major advances in reinforcing techniques and materials, a major drawback has been the lack of availability of a superior elastomer that combines high retention of physical properties at elevated temperatures and long-term resistance to degradation by the fluids used in hydraulic service.

All of this has changed with the introduction of HIGH TEMP, by ALFAGOMMA. This revolutionary hydraulic hose is fabricated with an inner tube made from a new, superior elastomeric material specifically developed for use in hydraulic hoses by a team of ALFAGOMMA chemists over a number of years.

HIGH TEMP hydraulic hose provides a wide variety of benefits:

Resistance to degradation – HIGH TEMP withstands long exposure to nearly every type of hydraulic fluid, lubricating oil or fuel commonly used in industry today, including fire-resistant hydraulic fluids. Unlike many conventional elastomers, the chemical nature of the elastomer used in the manufacture of HIGH TEMP hydraulic hose is such that physical property changes due to continuing chemical reactions of ingredients do not occur.

Reduced downtime and maintenance costs – HIGH TEMP hydraulic hose's superior performance and longer life helps minimize equipment maintenance and downtime, and improve profitability.

Longer service life – Laboratory and field tests have demonstrated that this unique hydraulic hose can outlast conventional hydraulic hose under extreme temperature and pressure conditions by as much as 500% (see sidebar).

Longer shelf life – HIGH TEMP hydraulic hose resists the effects of ozone and other oxidizing agents present in the air at many industrial locations . . . property changes due to shelf aging are practically non-existent.

Reduced inventory costs – There is no need to stock hoses with an assortment of tube stocks for use with petroleum and phosphate-based fluids . . . stock only HIGH TEMP hydraulic hose, with its wider diversity of fluid-resistance.

Ease of use – HIGH TEMP hydraulic hose requires no special fittings for assembly. HIGH TEMP uses standard crimped fittings.



ABOUT OUR LABORATORY TESTS

In laboratory tests, HIGH TEMP hydraulic hose withstood 1,000,000 impulse cycles at continuous +300°F (+150°C) fluid temperature at standard SAE 100R2A – EN 853 2ST test pressures in all sizes.

It should be stressed that while certain other SAE 100R2A – EN 853 2ST hose constructions, under the same test conditions, will sometimes approach 1,000,000 cycles, the tubes of these hoses by then have become brittle and hardened. Flexing these hoses will produce cracks in the tubes.

The HIGH TEMP hydraulic hose, after withstanding 1,000,000 impulse cycles at +300°F (+150°C) only gains a few points of hardness, retaining its elastic qualities.

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

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† 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

† Minimum burst pressure 4-to-1 safety factor.

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

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TR2HT -Evolution

2SN/R2AT



Double wire braid high temperature hydraulic hose (Up to +300°F) – TR2HT

NEW

TR2HT Evolution – Double wire braid

Meets or exceeds SAE 100 R2AT - EN 853 2SN



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 – Two high tensile steel wire braids.

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 2SN Evolution HT ... WP ... MPa (... PSI) – EN 853 2SN ... Q/YR

Meets or exceeds the requirement of SAE J517 100R2Type AT – EN 853 2SN

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TR2HT	04	1/4	6	0.57	14.5	5800	4.0	100	0.22	B		AF2
TR2HT	05	5/16	8	0.63	16.1	5000	4.6	115	0.23	B		AF2
TR2HT	06	3/8	9.5	0.72	18.2	4800	4.9	124.5	0.32	B		AF2
TR2HT	08	1/2	12.7	0.84	21.3	4000	6.8	172.7	0.36	B	D	AF2
TR2HT	10	5/8	15.9	0.96	24.5	3630	7.8	198.1	0.45	B	D	AF2
TR2HT	12	3/4	19.1	1.13	28.6	3120	9.4	238.8	0.58	B	D	AF2
TR2HT	16	1	25.4	1.44	36.6	2400	11.8	299.7	0.83	B	D	AF2
TR2HT	20	1 1/4	31.8	1.81	46.0	1820	16.5	419.1	1.19		D	AF2
TR2HT	24	1 1/2	38.1	2.08	52.8	1310	19.6	497.8	1.37		D	AF2
TR2HT	32	2	50.8	2.58	65.6	1200	24.8	629.9	1.86		D	AF2

[†] Minimum burst pressure 4-to-1 safety factor.

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

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One-wire Braid Hydraulic Hose – TR5HT


NEW

TR5HT Evolution – Single wire braid

Meets or exceeds SAE 100 R5

General Applications:

Medium pressure service hydraulic petroleum-based oil line in impulse applications; lube oil, diesel fuel lines and oil for Bio-diesel; applications such as air brakes, power steering, turbocharger oil supplies, tilt cab cylinders, transmission coolant, engine coolant and filtration lines. Meets or exceeds requirements of SAE 100 R5 for traditional hydraulic applications.

Construction:

Tube – Oil-resistant synthetic rubber.

Reinforcement – One high tensile steel braid.

Cover – Polyester textile braid.

Specially designed for high temperature applications.

Temperature Range:

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

Air Maximum Temperature:

up to 5/8" = +185°F (+85°C)

over 3/4" = +230°F (+110°C)

Branding:

Alfagomma R5 Evolution HT ...WP ...MPa (...PSI)

– SAE 100 R5... Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Work- ing† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Non-Skive	Insert Non-Skive
TR5HT	04	3/16	4.8	0.52	13.2	3000	3.0	76.2	0.16	AFX-03	A-03XX
TR5HT	05	1/4	6.4	0.58	14.8	3000	3.4	86.4	0.19	AFX-04	A-04XX
TR5HT	06	5/16	7.9	0.68	17.3	2250	4.0	101.6	0.24	AFX-05	A-05XX
TR5HT	08	13/32	10.3	0.77	19.5	2000	4.6	116.8	0.28	AFX-06	A-06XX
TR5HT	10	1/2	12.7	0.92	23.4	1750	5.5	139.7	0.38	AFX-08	A-08XX
TR5HT	12	5/8	15.9	1.08	27.4	1500	6.5	165.1	0.46	AFX-10	A-10XX
TR5HT	16	7/8	22.2	1.24	31.4	800	7.3	185.4	0.47	AFX-12	A-14XX
TR5HT	20	1 1/8	28.6	1.50	38.1	625	9.0	228.6	0.58	AFX-16	A-18XX
TR5HT	24	1 3/8	34.9	1.75	44.5	500	10.5	266.7	0.72	AFX-20	A-22XX
TR5HT	32	1 13/16	46.0	2.22	56.4	350	13.2	335.3	0.91	AFX-32	A-29XX

† Minimum burst pressure 4-to-1 safety factor.

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

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PF151R3 Series

SAE 100R3* Hydraulic Hose

**meets or exceeds*

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PF151R3**



COMPLIANCE DETAILS

Compliances	Size
 SAE 100R3	All sizes

FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)

CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant, conductive polyurethane

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids



APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF151R3	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	-	-	PFR3-04
PF151R3	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF151R3	06	3/8	9.7	0.610	15.5	1250	2.50	63.5	0.10	-	-	PFR3-06
PF151R3	08	1/2	13.1	0.750	19.1	1000	3.00	76.2	0.12	-	-	PFR3-08

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



PF415CP Series

SAE 100R3* Constant Pressure Hydraulic Hose

**meets or exceeds*

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PF415CP



GENERAL APPLICATIONS

- Lower pressure hydraulic applications
- Industrial equipment and vehicles, such as used in construction, agriculture and material handling

CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant, conductive polyurethane



SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +200°F (+93°C) for petroleum based hydraulic fluids

FEATURES AND ADVANTAGES

- **Isobaric** - Consistent 1,500 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 45% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses should they potentially become trapped between the layers, preventing instances of cover blistering.

APPROVED FITTINGS

- A Series Two-Piece (PFR ferrule)

PACKAGING

- Boxed 250' long reels
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF415CP	04	1/4	6.4	0.410	10.4	1500	1.50	38.1	0.05	-	-	PFR3-04
PF415CP	05	5/16	8.1	0.520	13.2	1500	1.75	44.5	0.07	-	-	PFR3-05
PF415CP	06	3/8	9.7	0.610	15.5	1500	2.50	63.5	0.10	-	-	PFR3-06
PF415CP	08	1/2	13.1	0.750	19.1	1500	3.00	76.2	0.12	-	-	PFR3-08

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PF354 Series PF354NC Series

SAE 100R7 Hydraulic Hose (ANSI A92.2)

GENERAL APPLICATIONS

- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane. Available with conductive black cover (PF354), or non-conductive “NC”, orange cover (PF354NC series)

SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF354NC Series only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



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PF354



COMPLIANCE DETAILS

Compliances	Size
 REACH [^]	All sizes
 SAE 100R7	All sizes
 SAE J517	All sizes

[^]NC Series (orange) only

APPROVED FITTINGS*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

*Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
										Carbon Steel	Stainless Steel	Ferrule Non-Skive
PF354/PF354NC	02	1/8	3.6	0.322	8.2	3000	0.75	19	0.03	P-02XX-XXXX	-	-
PF354/PF354NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF354/PF354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF354/PF354NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.08	P-05XX-XXXX	-	PFR7-05
PF354/PF354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF354/PF354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08
PF354/PF354NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.22	-	-	PFR-12
PF354/PF354NC [#]	16	1	25.4	1.360	34.5	1000	3.00	203	0.35	-	-	AFX-16

[#]Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PFP354**



COMPLIANCE DETAILS

Compliances	Size
 REACH [^]	All sizes
 SAE 100R7	All sizes
 SAE J517	All sizes

[^]NC Series (orange) only

APPROVED FITTINGS*

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

*Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

PFP354 Series PFP354NC Series SAE 100R7 Hydraulic Hose + Slither® Cover

GENERAL APPLICATIONS

- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PFP354NC only)
- Hydraulic oil and lubrication lines

CONSTRUCTION

Tube – Nylon

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane with Slither® additive. Available with conductive black cover (PFP354), or non-conductive “NC”, orange cover (PFP354NC series).



SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

FEATURES AND ADVANTAGES

- **Slither® Cover** – Slick, Slither cover helps hose slide through tight spaces such as sheaves, pulleys and bundles. Especially helpful routing through long lengths of hose bundles on aerial equipment such as scissor lifts and bucket trucks.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PFP354 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PFP354/ PFP354NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PFP354/ PFP354NC	06	3/8	9.7	0.650	16.5	2250	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PFP354/ PFP354NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

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PF267**



**MADE IN THE
USA**



**GOOD DOWN TO
-65°F**

COMPLIANCE DETAILS

Compliances	Size
ANSI 92.28 [†]	3/16" – 1/2"
REACH [^]	All sizes
SAE 100R7	All sizes
SAE J517	All sizes

[†] For vehicle mounted aerial devices

[^] NC Series (orange) only

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

**Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Max two pieces per reel, minimum pc. length 50'

PF267 Series / PF267NC Series

SAE 100R7 Hydraulic Hose (ANSI A92.2) with
Kink Resistant Technology

GENERAL APPLICATIONS

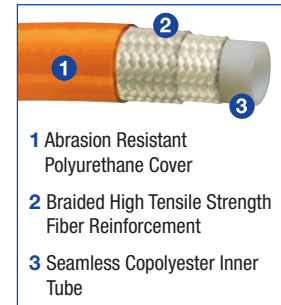
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF267NC only)
- Hydraulic oil and lubrication lines

CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF267), or non-conductive orange (PF267NC series) versions



SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids

FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 53% better resistance to kink initiation, and 16% less force to bend, versus competitive 100R7 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Meets ANSI A92.2 (PF267NC Series Only)** – Meets ANSI insulating requirement for aerial devices used in areas of high electricity. Tested to less than 50 microamperes leakage when subjected to 75,000 volts/ft. for 5 min.
- **Pin Pricked Cover (PF267 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.

Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF267/PF267NC [#]	02	1/8	3.2	0.322	8.18	3000	0.75	19	0.04	P-02XX-XXXX	-	-
PF267/PF267NC	03	3/16	4.8	0.415	10.5	3000	0.75	19	0.05	-	P-03XX-XXXX-SS	PFR-03
PF267/PF267NC	04	1/4	6.4	0.496	12.6	2750	1.50	38	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF267/PF267NC	05	5/16	8.1	0.580	14.7	2500	1.75	44	0.09	P-05XX-XXXX	-	PFR7-05
PF267/PF267NC	06	3/8	9.7	0.651	16.5	2250	2.00	51	0.12	P-06XX-XXXX	-	PFR-06
PF267/PF267NC	08	1/2	13.1	0.834	21.2	2000	3.00	76	0.17	P-08XX-XXXX	-	PFR-08
PF267/PF267NC	12	3/4	19.1	1.050	26.7	1250	6.00	152	0.24	-	-	PFR-12
PF267/PF267NC [#]	16	1	25.4	1.360	34.5	1000	8.00	203	0.31	-	-	AFX-16

[#] Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PF628**



COMPLIANCE DETAILS

Compliances	Size
ANSI 92.2†	3/16" – 1/2"
REACH^	All sizes
SAE 100R8	All sizes
SAE J517	All sizes

† For vehicle mounted aerial devices

^NC Series (orange) only

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless

**Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

PF628 Series PF628NC Series SAE 100R8 Hydraulic Hose

GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF628NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided aramid fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF628), or non-conductive orange (PF628NC) versions

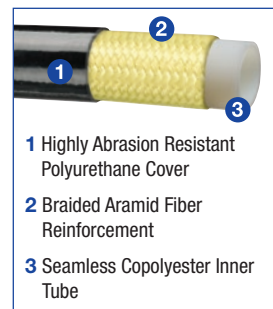
SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids

FEATURES AND ADVANTAGES

- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover (PF628 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
										Carbon Steel	Stainless Steel	Ferrule Non-Skive
PF628/PF628NC	04	1/4	6.5	0.485	12.3	5000	2.00	50	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	-
PF628/PF628NC	06	3/8	9.7	0.630	16.0	4000	2.50	64	0.10	P-06XX-XXXX	-	-
PF628/PF628NC	08	1/2	12.9	0.820	20.8	3500	3.50	89	0.17	P-08XX-XXXX	-	-
PF628/PF628NC#	12	3/4	19.1	1.050	26.7	2250	4.50	114	0.20	-	-	-

Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PF528**



COMPLIANCE DETAILS

Compliances	Size
 SAE 100R8	All sizes
 REACH*	All sizes

*NC Series (orange) only

APPROVED FITTINGS

- A Series Two-Piece (AFX ferrule)

PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

PF528 Series / PF528NC Series

SAE 100R8 Hydraulic Hose with Kink Resistant Technology

GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF528NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

CONSTRUCTION

Tube – Nylon

Reinforcement – Braided, high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF528), or non-conductive orange (PF528NC) versions

SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids

FEATURES AND ADVANTAGES

- **Kink Resistant Technology** – Proprietary design shown to exhibit 50% better resistance to kink initiation, and 17% less force to bend, versus competitive 100R8 hose in comparison testing.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 24% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF528 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF528/PF528NC^	03	3/16	4.8	0.475	12.1	5000	0.75	19	0.073	-	-	AFX-03
PF528/PF528NC	04	1/4	6.5	0.584	14.8	5000	2.00	50	0.112	-	-	AFX-04
PF528/PF528NC	06	3/8	9.7	0.750	19.1	4000	2.50	64	0.154	-	-	AFX-06
PF528/PF528NC	08	1/2	12.9	0.935	23.7	3500	3.50	89	0.236	-	-	AFX-08
PF528/PF528NC	12	3/4	19.1	1.220	30.9	2250	4.50	114	0.352	-	-	AFX-12
PF528/PF528NC#	16	1	25.4	1.620	41.1	2000	6.00	152	0.584	-	-	-

Non-stocked size. Minimum order quantity of 5,000 feet generally applies. Contact Kuriyama Customer Service for details.

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PF427 Series PF427NC Series

SAE 100R18 Constant Pressure Hydraulic Hose




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**KOA.link/
PF427**



COMPLIANCE DETAILS

Compliances	Size
 REACH [^]	All sizes
 SAE 100R18	All sizes
 SAE J517	All sizes

[^]NC Series (orange) only

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

**Dependent on hose size

PACKAGING

- Boxed 250' reels or boxed 50' coils
- Maximum two pieces per 250' reel, minimum 50' piece length

GENERAL APPLICATIONS

- High pressure hydraulic applications
- Industrial equipment and vehicles (construction, agriculture, material handling, etc.)
- Aerial equipment (PF427NC only)
- Hydraulic oil and lubrication lines
- Hydraulic tools

CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided high tensile strength fibers

Cover – Pin pricked, abrasion resistant polyurethane, in conductive black (PF427), or non-conductive orange (PF427NC series) versions

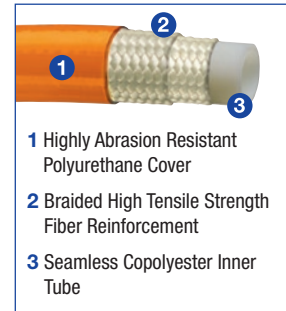
SERVICE TEMPERATURE RANGE

-65°F (-54°C) to +200°F (+93°C) for petroleum based hydraulic fluids.

*Maximum 140°F (+60°C) for water and phosphate-ester based hydraulic fluids.

FEATURES AND ADVANTAGES

- **Isobaric** – Consistent 3,000 PSI working pressure regardless of hose size. Eliminates user risk of hose misapplication within a given pressure system.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 32% lighter weight than similar rubber hoses.
- **Low Temperature Flex** – Designed to flex at temperatures as low as -65°F; well suited for cold storage applications.
- **Pin Pricked Cover (PF427 Series Only)** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		One-Piece			Two-Piece		
							Carbon Steel	Stainless Steel		Ferrule Non-Skive		
PF427/PF427NC	04	1/4	6.4	0.496	12.7	3000	1.50	38	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF427/PF427NC	06	3/8	9.7	0.650	16.5	3000	2.00	51	0.11	P-06XX-XXXX	-	PFR-06
PF427/PF427NC	08	1/2	13.1	0.834	21.1	3000	3.00	76	0.16	P-08XX-XXXX	-	PFR-08

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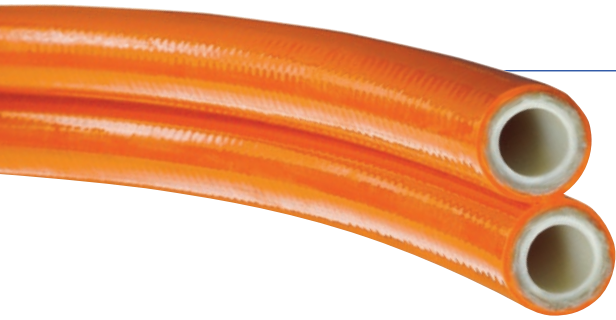


Available Twin Line Versions



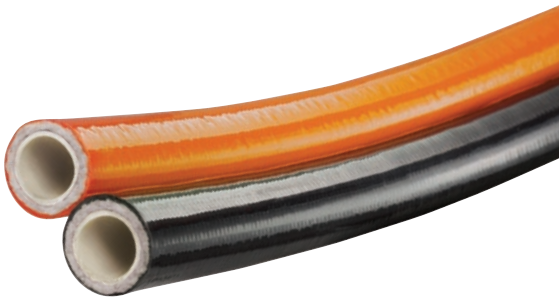
Series / Color	Part Number	Packaging	Approximate Weight (lbs/ft)
PF354TL SERIES NYLON TUBE/BLACK COVER 100R7 TWIN LINE HOSES			
	PF354TL-04-250R	250' Reel	0.10
	PF354TL-06-250R	250' Reel	0.20
	PF354TL-08-250R	250' Reel	0.32
PF354NCTL SERIES NYLON TUBE/ORANGE COVER NON-CONDUCTIVE 100R7 TWIN LINE HOSES			
	PF354NCTL-04-250R	250' Reel	0.10
	PF354NCTL-06-250R	250' Reel	0.20
	PF354NCTL-08-250R	250' Reel	0.32
PF267TL SERIES POLYESTER TUBE/BLACK COVER 100R7 TWIN LINE HOSES			
	PF267TL-04-50BX	50' Box	0.14
	PF267TL-06-50BX	50' Box	0.24
	PF267TL-08-50BX	50' Box	0.34
	PF267TL-04-250R	250' Reel	0.14
	PF267TL-06-250R	250' Reel	0.24
	PF267TL-08-250R	250' Reel	0.34
PF267NCTL SERIES POLYESTER TUBE/ORANGE COVER 100R7 TWIN LINE HOSES			
	PF267NCTL-04-50BX	50' Box	0.14
	PF267NCTL-06-50BX	50' Box	0.24
	PF267NCTL-08-50BX	50' Box	0.34
	PF267NCTL-04-250R	250' Reel	0.14
	PF267NCTL-06-250R	250' Reel	0.24
	PF267NCTL-08-250R	250' Reel	0.34
PF528TL SERIES NYLON TUBE/BLACK COVER 100R8 TWIN LINE HOSES			
	PF528TL-04-250R	250' Reel	0.22
	PF528TL-06-250R	250' Reel	0.31
	PF528TL-08-250R	250' Reel	0.47
PF528NCTL SERIES NYLON TUBE/ORANGE COVER 100R8 TWIN LINE HOSES			
	PF528NCTL-04-250R	250' Reel	0.22
	PF528NCTL-06-250R	250' Reel	0.31
	PF528NCTL-08-250R	250' Reel	0.47
PF628TL SERIES POLYESTER TUBE/BLACK COVER 100R8 TWIN LINE HOSES			
	PF628TL-04-250R	250' Reel	0.14
	PF628TL-06-250R	250' Reel	0.20
	PF628TL-08-250R	250' Reel	0.34
PF628NCTL SERIES POLYESTER TUBE/ORANGE COVER NON-CONDUCTIVE 100R8 TWIN LINE HOSES			
	PF628NCTL-04-250R	250' Reel	0.14
	PF628NCTL-06-250R	250' Reel	0.20
	PF628NCTL-08-250R	250' Reel	0.34

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



Piranha Bonding Capabilities

- All Piranha hose sized 1/4" through 2" ID are available to be bonded upon request.
- All non-standard products are treated as a made-to-order item and require a special quote.
- Split-Back ends are provided; typically as lengths of 12", 18" or 24" for ease of coupling and assembly.
- Intermittent bonding can also be provided in lengths to meet your applications needs.



Color coding of multi-line hose packs is available for identification and easy hook-ups.



Combinations of same or different ID's can be provided in a ribbon type configuration.

CUSTOM TWIN AND MULTI LINE HOSES ARE AVAILABLE UPON REQUEST AND ARE MADE TO ORDER.

For more information contact Piranha Hose Products, Inc.

Phone: (231) 779-4390 • Toll-free: (800) 250-5132 • Fax: (231) 779-4399



PiranhaHose.com



sales@piranhahose.com

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PF321TC Series



Tank Charge – Compressor to tank fill hose

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[KOA.link/
PF321TC](https://KOA.link/PF321TC)

COMPLIANCE DETAILS

Compliances	Size
 CGA*	All sizes
 REACH	All sizes

*Grade E Breathing Air Standards

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR ferrule)

**Dependent on hose size

PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

GENERAL APPLICATIONS

- Compressed breathing air
- Stationary applications as a fill tank for breathing air tanks

CONSTRUCTION

Tube – Copolyester

Reinforcement – Braided aramid fiber reinforcement

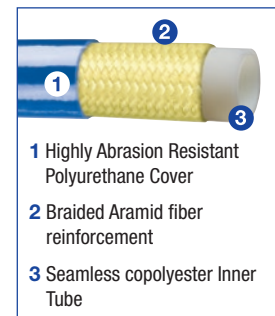
Cover – Pin pricked, abrasion resistant polyurethane

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +150°F (+65.5°C)

FEATURES AND ADVANTAGES

- **CGA Compliant** – Meets CGA Grade E Air Breathing Standards. Overall air quality depends on all system components.
- **Extraction Resistant** – Specially formulated tube minimizes extraction of particulates while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.
- **Pin Pricked Cover** – Allows for the escape of gasses, if necessary, eliminating risk of cover blistering.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF321TC	03	3/16	4.8	0.400	10.2	6000	1.50	38.1	0.06	-	P-03XX-XXXX-SS	PFR-03
PF321TC	04	1/4	6.4	0.485	12.3	6000	2.00	50.8	0.07	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04

- * **NOTE**
- **NOT** for use with explosive gases such as pure oxygen and hydrogen.
 - **NOT** for use between regulator and breathing mask.

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**KOA.link/
PF344LMT**

COMPLIANCE DETAILS

Compliances	Size
 REACH	All sizes

APPROVED FITTINGS**

- P Series One-Piece Carbon Steel
- P Series One-Piece Stainless
- A Series Two-Piece (PFR or AFX ferrule)

**Dependent on hose size

PACKAGING

- Boxed 250' long reels
- Maximum two pieces per 250' reel, minimum 50' piece length

PF344LMT Series

Low Moisture Transmission Hose

GENERAL APPLICATIONS

- Conveying urethane foam components
- Deionized water transfer
- Distilled water transfer
- Pure water transfer
- Low moisture transmission applications

CONSTRUCTION

Tube – Polyolefin

Reinforcement – Braided, high tensile strength fibers

Cover – Abrasion resistant polyurethane

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +160°F (+71.1°C)

FEATURES AND ADVANTAGES

- **Transmission Resistant** – Specially formulated tube minimizes extraction of particulates and minimizes moisture transmission while in service.
- **Abrasion Resistant** – Polyurethane cover outlasts rubber versions in applications where the hose rubs against abrasive surfaces.
- **Lightweight** – Approximately 37% lighter weight than similar rubber hoses.



Series Number	Size Code	ID		OD		Max. Working Pressure (psi)	Min. Bending Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		One-Piece	Two-Piece	
PF344LMT	04	1/4	6.4	.500	12.7	2750	2.5	63.5	0.06	P-04XX-XXXX	P-04XX-XXXX-SS	PFR-04
PF344LMT	06	3/8	9.7	.650	16.5	2250	3.0	76.2	0.11	P-06XX-XXXX	-	PFR-06
PF344LMT	08	1/2	13.1	.830	21.1	2000	4.0	101.6	0.16	P-08XX-XXXX	-	PFR-08
PF344LMT	12	3/4	19.1	1.18	30.0	1500	5.0	127.0	0.28	-	-	AFX-12
PF344LMT	16	1	25.4	1.46	37.1	1500	6.0	152.4	0.40	-	-	AFX-16

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AUTOLOCK AL Series Braided Push-On Hose



AVAILABLE COLORS



Black BK Series Blue BU Series Gray GY Series



Green GR Series Red RD Series Yellow YL Series

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CHECK OUT OUR
PUSH-ON FITTINGS



GENERAL APPLICATIONS

- Air tools
- Pneumatic and low-pressure hydraulic systems
- Lubricating oils, diesel fuel and antifreeze solutions
- Water lines for molding and blow-forming machines
- Robotic welders
- Chemical and paper industries
- Automation and machine tools

CONSTRUCTION

- **Tube:** Oil-resistant synthetic rubber (ARPM Class A)
- **Reinforcement:** High-strength textile braid for secure fitting retention
- **Cover:** Abrasion, ozone, and flame resistant cover (MSHA-approved)

SERVICE TEMPERATURE RANGE

-40°F (-40°C) to +212°F (+100°C)*
-40°F (-40°C) to +160°F (+70°C) for air transfer*

**Actual service temperature range is application dependent.*

SAFETY FACTOR: 4:1

BRANDING

ALFAGOMMA – AUTOLOCK EVOLUTION – NON CONDUCTIVE ____ [ID Size]
WP ____ PSI FLAME RESISTANT MSHA IC-152/21 – [Date Code]

PACKAGING

- Reels of various lengths (see chart)
- Max two or three** pieces per reel (Min piece length 50')

FEATURES AND ADVANTAGES

- **Push-On Assembly:** Easy to connect, no clamps or tools required.
- **Flame Resistance:** MSHA-approved cover for safety in hazardous environments (No. IC-152/21).
- **Durable Construction:** Long-lasting, resistant to wear, ozone, and hydrocarbons.
- **Oil Resistant Tube:** Meets APRM Class A (High Oil Resistance) Rating, for use with gasoline, diesel, bio-diesel and kerosene.
- **Non-conductive Tube and Cover^:** Helps protect user from shock when used near high-voltage sources.
- **Mandrel-Built Braided Construction Quality:**
 - Stable under pressure with minimal expansion and twisting
 - Better kink resistance and dimensional consistency
 - Superior pressure tolerance compared to competitors
 - Highly flexible design, works well in tight spaces

**Max three pieces for 1/4" through 1/2" ID, max two pieces for 5/8" through 1"

^ Meets a minimum of 1,000,000 ohms per inch resistance when tested with a 1,000-volt D.C. megger.

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AUTOLOCK AL Series

Braided Push-On Hose



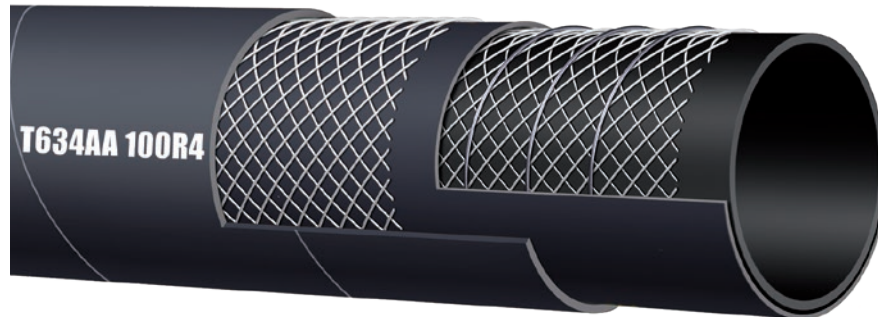
Series Number	Color	ID		OD		Working Pressure (psi)	Approximate Reel Length (ft)	Packaging [†] (per reel)	Weight lbs/ft
		(in)	(mm)	(in)	(mm)				
AL-04BK	Black	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-05BK	Black	5/16	8	0.55	14	400	600		0.1
AL-06BK	Black	3/8	10	0.63	16	400	600		0.12
AL-08BK	Black	1/2	13	0.75	19	400	550	Max 2 pieces of various lengths	0.15
AL-10BK	Black	5/8	16	0.91	23	350	350		0.21
AL-12BK	Black	3/4	19	1.06	27	300	350		0.25
AL-16BK	Black	1	25	1.34	34	250	200		0.35
AL-04BU	Blue	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-06BU	Blue	3/8	10	0.63	16	400	600		0.12
AL-08BU	Blue	1/2	13	0.75	19	400	550		0.15
AL-10BU	Blue	5/8	16	0.91	23	350	350	Max 2 pieces of various lengths	0.21
AL-12BU	Blue	3/4	19	1.06	27	300	350		0.25
AL-16BU	Blue	1	25	1.34	34	250	200		0.35
AL-04GR	Green	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-06GR	Green	3/8	10	0.63	16	400	600		0.12
AL-08GR	Green	1/2	13	0.75	19	400	550		0.15
AL-10GR	Green	5/8	16	0.91	23	350	350	Max 2 pieces of various lengths	0.21
AL-12GR	Green	3/4	19	1.06	27	300	350		0.25
AL-04GY	Gray	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-06GY	Gray	3/8	10	0.63	16	400	600		0.12
AL-08GY	Gray	1/2	13	0.75	19	400	550		0.15
AL-10GY	Gray	5/8	16	0.91	23	350	350	Max 2 pieces of various lengths	0.21
AL-12GY	Gray	3/4	19	1.06	27	300	350		0.25
AL-04RD	Red	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-06RD	Red	3/8	10	0.63	16	400	600		0.12
AL-08RD	Red	1/2	13	0.75	19	400	550		0.15
AL-10RD	Red	5/8	16	0.91	23	350	350	Max 2 pieces of various lengths	0.21
AL-12RD	Red	3/4	19	1.06	27	300	350		0.25
AL-16RD	Red	1	25	1.34	34	250	200		0.35
AL-04YL	Yellow	1/4	6	0.51	13	400	600	Max 3 pieces of various lengths	0.09
AL-06YL	Yellow	3/8	10	0.63	16	400	600		0.12
AL-08YL	Yellow	1/2	13	0.75	19	400	550		0.15
AL-10YL	Yellow	5/8	16	0.91	23	350	350	Max 2 pieces of	0.21

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TR4XF - R4 Xtra-Flexible 100R4



TR4XF – Extra Flexible SAE 100R4 Oil Return Hose



T634AA –
Textile reinforced with four
spiral wire helix to prevent
collapsing

Meets or exceeds SAE 100R4

General Applications:

Low pressure return lines or suction lines with half the bend radius requirements of SAE J517 100R4, service with petroleum based hydraulic fluids, water-glycol and water-fire resistant hydraulic fluids, oil, lubricants, crude oil, fuel oils and water.

Construction:

Tube – Black, conductive NBR.

Reinforcement – Textile reinforced with four spiral wire helix to prevent collapsing.

Cover – Black CR... oil, fuel, weather, ozone and abrasion-resistant.

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:
+257°F (+125°C)

Air maximum temperature: +175°F (+80°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA – Italy – T634 (psi) - SAE 100R4 - (SIZE) - Date

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Non-Skive	
TR4XF	12	3/4	19.1	1.18	30.0	300	1.5	38.1	0.41	AFX	
TR4XF	16	1	25.4	1.42	36.0	250	2.0	50.8	0.51	AFX	
TR4XF	20	1 1/4	31.8	1.69	43.0	200	2.5	63.5	0.62	AFX	
TR4XF	24	1 1/2	38.1	1.93	49.0	150	3.0	76.2	0.72	AFX	
TR4XF	32	2	50.8	2.44	62.0	100	4.0	101.6	0.93	AFX	
TR4XF	40	2 1/2	63.0	2.99	76.0	60	4.9	125.0	1.47		
TR4XF	48	3	76.0	3.50	89.0	60	5.9	152.0	1.75		

Note: For sizes larger than 2", please refer to Kuriyama's Industrial Rubber Hose catalog, Type T605AA.

† 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.

One-wire braid hydraulic hose – TR5

TR5 – One-wire braid-reinforced

Meets or exceeds
SAE 100 R5
SAE J1402 DOT All
FM VSS 106



General Applications:

Medium pressure service hydraulic petroleum-based oil line in impulse applications; lube oil, diesel fuel lines and oil for Bio-diesel; applications such as air brakes, power steering, turbocharger oil supplies, tilt cab cylinders, transmission coolant, engine coolant and filtration lines. Meets or exceeds requirements of SAE 100 R5 for traditional hydraulic applications.

Construction:

Tube – Oil-resistant synthetic rubber.

Reinforcement – One high tensile steel braid.

Cover – Polyester textile braid.

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Air maximum temperature: +160°F (+70°C)

Branding:

ALFAGOMMA FLEXOR 5 ID ...WP ...MPa
(...PSI) SAE 100 R5*

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Non-Skive	Insert Non-Skive
TR5	04	3/16	4.8	0.52	13.2	3000	3.0	76.2	0.16	AFX-03	A-03XX
TR5	05	1/4	6.4	0.58	14.8	3000	3.4	86.4	0.19	AFX-04	A-04XX
TR5	06	5/16	7.9	0.68	17.3	2250	4.0	101.6	0.24	AFX-05	A-05XX
TR5	08	13/32	10.3	0.77	19.5	2000	4.6	116.8	0.28	AFX-06	A-06XX
TR5	10	1/2	12.7	0.92	23.4	1750	5.5	149.7	0.38	AFX-08	A-08XX
TR5	12	5/8	15.9	1.08	27.4	1500	6.5	165.1	0.46	AFX-10	A-10XX
TR5	16	7/8	22.2	1.24	31.4	800	7.3	185.4	0.47	AFX-12	A-14XX
TR5	20	1 1/8	28.6	1.50	38.1	625	9.0	228.6	0.58	AFX-16	A-18XX
TR5	24	1 3/8	34.9	1.75	44.5	500	10.5	266.7	0.72	AFX-20	A-22XX
TR5	32	1 13/16	46.0	2.22	56.4	350	13.2	335.3	0.91	AFX-32	A-29XX

† Minimum burst pressure 4-to-1 safety factor.

* Sizes -04 through -12 are DOT Type All approved and branded.

Note: 3/16" through 1" ID hoses supplied on reels.

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

AT10KJ

10,000 PSI Jack Hose



AT10KJ



AT10KJ – Two-wire braid-reinforced

General Applications:

Static pressure hydraulic lines. Fuel oil, antifreeze solutions, air and water. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking equipment.

Construction:

Tube – Oil-resistant synthetic rubber.

Reinforcement – Two high tensile steel braids.

Cover – Abrasion, ozone and hydrocarbon resistant smooth synthetic rubber.

Service Temperature Range:

-40°F (-40°C) to +212°F (+100°C) constant operation.

Branding:

Alfagomma - Italy - 10K Jack Hose - size WP 10,000 psi (70 Mpa) MSHA IC-152/16

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations			
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive		
AT10KJ	04	1/4	6.4	0.51	13.0	10000	2.0	50.8	0.18	B		AF1	
AT10KJ	06	3/8	9.5	0.66	18.8	10000	2.2	55.9	0.26	B		AF1	

† Minimum burst pressure 2-to-1 safety factor.

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

Available for the AT10KJ Jack hose are extended thread male NPT fittings. To order, use part numbers:

B-0404-MAPI for 1/4" size

B-0606-MAPI for 3/8" size

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

R14 PTFE True Bore Stainless Braid - TR14TB High Temp Hose



TR14TB - R14

High Tensile Stainless Steel Braid
AISI 304
FDA US Pharmacopeia - Class VI
SAE 100R14

General Applications:

Compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power steering marine applications. Not suitable for molten alkali metals and halogens at high temperature.

Construction:

Tube – Smooth PTFE - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non sticking, ozone and weather resistant.

Reinforcement – High tensile stainless steel braid AISI 304.

Service Temperature Range:

-76°F (-60°C) to +500°F (+260°C) constant operation.

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece Ferrule Non-Skive	
TR14TB	03	3/16	4.8	0.31	7.8	4000	2.0	50.8	0.06	AFT	
TR14TB	04	1/4	6.4	0.34	8.6	3500	3.0	76.2	0.06	AFT	
TR14TB	05	5/16	7.9	0.46	11.6	3000	4.0	101.6	0.09	AFT	
TR14TB	06	3/8	9.5	0.50	12.7	2600	5.0	127.0	0.10	AFT	
TR14TB	08	1/2	12.7	0.61	15.4	2300	5.5	139.7	0.13	AFT	
TR14TB	10	5/8	15.9	0.72	18.4	2000	6.5	165.1	0.18	AFT	
TR14TB	12	3/4	19.1	0.87	22.1	1600	8.0	203.2	0.22	AFT	
TR14TB	16	1	25.4	1.17	29.8	1000	12.0	304.8	0.35	AFT	

[†] 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.

TR14C - R14

PTFE/Stainless Braid



R14 Convoluted PTFE Stainless Steel braid – TR14C

High Temp Hose

NEW



TR14C - R14

Seamless Helical Convoluted PTFE
High Tensile Stainless Steel Braid
AISI 304
FDA US Pharmacopeia - Class VI
SAE 100R14

General Applications:

Compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power steering marine applications. Not suitable for molten alkali metals and halogens at high temperature.

Construction:

Tube – Seamless Helical Convoluted PTFE - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non-sticking, ozone and weather resistant.
Reinforcement – High tensile stainless steel braid AISI 304.

Service Temperature Range:

-76°F (-60°C) to +500°F (+260°C) constant operation.

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece Ferrule	Non-Skive
TR14C	06	3/8	9.5	0.62	14.7	2000	0.79	20	0.16	AFT	
TR14C	08	1/2	12.7	0.74	18.8	1500	0.98	25	0.19	AFT	
TR14C	10	5/8	15.9	0.87	22.1	1200	2.00	51	0.22	AFT	
TR14C	12	3/4	19.1	0.97	24.6	1000	2.52	64	0.27	AFT	
TR14C	16	1	25.4	1.29	32.8	670	3.50	89	0.37	AFT	
TR14C	20	1 1/4	31.8	1.60	40.7	525	5.00	127	0.46	AFT	
TR14C	24	1 1/2	38.1	1.90	48.2	450	5.98	152	0.60	AFT	
TR14C	32	2	50.8	2.42	61.5	345	7.87	200	0.84	AFT	

[†] 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.

Double compact wire braid hydraulic hose – TF2LT



TF2LT – Double wire braid

Meets or exceeds SAE 100 R16 - EN 857 2SC

General Applications:

High pressure service hose with tight bending radius for low temperature applications with petroleum-based hydraulic fluids, water/glycol, water- and fire-resistant hydraulic fluids, hot oil, grease, lubricants, crude oil, fuel oils, air and water. Excellent impulse performance, exceeding 1,000,000 cycles when tested with appropriate ALFAGOMMA couplings. For air or gas application above 250 PSI (1.7 Mpa) the cover should be pin-pricked.

Construction:

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

Reinforcement – Two high tensile steel compact wire braids.

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

Service Temperature Range:

-58°F (-50°C) to +212°F (+100°C) constant operation.

Maximum operating temperature:

+257°F (+125°C)

Air maximum temperature: +160°F (+70°C)

Note: Operating temperatures in excess of +212°F (+100°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA FLEXORPAK 2 LT ID ...WP ...MPa (...PSI) – LOW TEMPERATURE -50°C – EXCEEDS SAE 100R16 - EN 857 2SC DN ...Q/YR

Nominal Specifications

Series Number	Size Code	ID		OD		Max. Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece Ferrule Non-Skive	
TF2LT	04	1/4	6.4	0.51	13.0	6000	2.0	50.8	0.19	B		AF1
TF2LT	06	3/8	9.5	0.66	16.8	5000	2.5	63.5	0.27	B		AF1
TF2LT	08	1/2	12.7	0.81	20.6	4500	3.5	88.9	0.35	B		AF1
TF2LT	10	5/8	15.9	0.92	23.4	4000	3.9	99.1	0.41	B		AF1
TF2LT	12	3/4	19.1	1.09	27.6	3500	4.7	119.4	0.55	B		AF1
TF2LT	16	1	25.4	1.40	35.5	3000	5.9	149.9	0.82	B		AF1

† 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

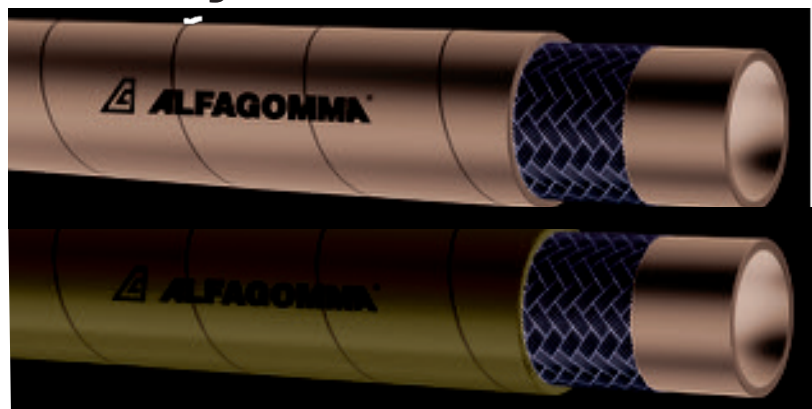
ASSEMBLY
EQUIPMENT

TECHNICAL
INFORMATION

KK4BK/BU - K-Kleen 4000 Pressure Washer Hose



Single wire braid light weight cleaning hose on easy-to-handle reels – KK4BK/KK4BU



NEW

KK4BK (Black) – Single wire braid

KK4BU (Blue) – Single wire braid

General Applications:

High pressure cleaning hose. For heavy duty use with hot and cold water and detergent fluids, and high pressure cleaning equipment. Extremely flexible, light weight and easy to handle. Use bend restrictors to extend service life. Not recommended for steam or steam cleaner service.

BK = Black Cover

BU = Blue Cover (non-marking)

Construction:

Tube – Synthetic rubber, black... hot water-resistant.

Reinforcement – High tensile steel wire braid.

Cover – Pin-pricked, black synthetic rubber, weather, oil, ozone, and abrasion resistant. Blue cover version is non-marking.

Service Temperature Range:

-40°F (-40°C) to +300°F (+155°C) constant operation.

Maximum operating temperature:

+300°F (+155°C)

Air maximum temperature: +175°F (+80°C)

Note: Operating temperatures in excess of +300°F (+155°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA K-KLEEN 4000 PSI ID ...DN ... 280 Bar WP - 155°C

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations			
		(in)	(mm)	(in)	(mm)		(in)	(mm)		AlfaCrimp One-Piece	Two-Piece		
											Ferrule Non-Skive		
KK4BK	06	3/8	9.5	0.61	15.4	4000	2.5	63.5	0.18	B		AF1	
KK4BK	08	1/2	12.7	0.76	19.2	4000	3.5	88.9	0.25	B		AF1	
KK4BU	06	3/8	9.5	0.61	15.4	4000	2.5	63.5	0.18	B		AF1	
KK4BU	08	1/2	12.7	0.76	19.2	4000	3.5	88.9	0.25	B		AF1	

Minimum burst pressure 3-to-1 safety factor.

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

Bend Restrictors available for K-KLEEN 4000 hoses, refer to the following part numbers:



RBR-19x150 for use on KK4BK/BU-06

RBR-22x150 for use on KK4BK/BU-08

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

K-Kleen™

Pressure Washer Hose Assemblies

KK4PW™ Series

General Applications:

High pressure cleaning hose. For heavy duty use with hot and cold water and detergent fluids, and high pressure cleaning equipment. Extremely flexible, light weight and easy to handle. Use bend restrictors to extend service life. Not recommended for steam or steam cleaner service.

BK = Black Cover

BU = Blue Cover (non-marking)

Construction:

Tube – Synthetic rubber, black... hot water-resistant.

Reinforcement – High tensile steel wire braid.

Cover – Pin-pricked, black synthetic rubber, weather, oil, ozone, and abrasion resistant. Blue cover version is non-marking.

Ends – Rigid male NPT x swivel male NPT ends with bend restrictors on each end.



KK4PW-BK
Black color

KK4PW-BU
Blue color

Service Temperature Range:

-40°F (-40°C) to +300°F (+155°C) constant operation

Maximum operating temperature:
+300°F (+155°C)

Air maximum temperature: +175°F (+80°C)

Note: Operating temperatures in excess of +300°F (+155°C) may materially reduce the life of the hose.

Branding:

ALFAGOMMA K-KLEEN 4000 PSI ID ...DN ... 280 Bar WP - 155°C

Nominal Specifications

Part Number	Hose ID (in)	Hose OD (in)	Color	Working Pressure (psi)	Min. Bending Radius (in)	Length (ft)	Weight (lbs/each)
KK4PW06BUMMSX50	3/8	0.61	Blue	4000	2.5	50	10.5
KK4PW06BKMSX50	3/8	0.61	Black	4000	2.5	50	10.5
KK4PW06BUMMSX100	3/8	0.61	Blue	4000	2.5	100	19.5
KK4PW06BKMSX100	3/8	0.61	Black	4000	2.5	100	19.5
KK4PW08BUMMSX50	1/2	0.76	Blue	4000	3.5	50	15.0
KK4PW08BKMSX50	1/2	0.76	Black	4000	3.5	50	15.0
KK4PW08BUMMSX100	1/2	0.76	Blue	4000	3.5	100	27.5
KK4PW08BKMSX100	1/2	0.76	Black	4000	3.5	100	27.5

(3:1) Safety Factor

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

TAJ5BK/BU - Alfajet 400 Pressure Washer Hose



Double wire braid light weight cleaning hose on easy-to-handle reels – TAJ5BK/TAJ5BU

**TAJ5BK (Black) –
Double wire braid**



**TAJ5BU (Blue) –
Double wire braid**



General Applications:

High pressure cleaning hose. For heavy duty use with hot and cold water and detergent fluids, and high pressure cleaning equipment. Extremely flexible, light weight and easy to handle. Use bend restrictors to extend service life.

Not recommended for steam service.
Special identification with embossed layline.
BK = Black Cover
BU = Blue Cover

Construction:

Tube – Synthetic rubber, black... hot water-resistant.

Reinforcement – Two high tensile steel wire

braids.

Cover – Pin-pricked, black synthetic rubber, weather, oil, ozone, and abrasion resistant. Blue cover version is non-marking.

Service Temperature Range:

-40°F (-40°C) to +300°F (+155°C) constant operation.

Maximum operating temperature:
+300°F (+155°C)

Air maximum temperature: +175°F (+80°C)

Note: Operating temperatures in excess of +300°F (+155°C) may materially reduce the life of the hose.

Branding – ALFAGOMMA ALFAJET 400 ID ... DN ... Bar WP - 155°C

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations		
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Alfacrimp One-Piece	Two-Piece Ferrule Non-Skive	
TAJ5BK	04	1/4	6.4	0.52	13.2	5850	2.7	68.6	0.18	B		AF1
TAJ5BK	05	5/16	7.9	0.59	14.9	5850	3.0	76.2	0.20	B		AF1
TAJ5BK	06	3/8	9.5	0.66	16.7	5850	3.5	88.9	0.26	B		AF1
TAJ5BK	08	1/2	12.7	0.79	20.1	5850	4.5	114.3	0.34	B		AF1
TAJ5BU	04	1/4	6.4	0.52	13.2	5850	2.7	68.6	0.18	B		AF1
TAJ5BU	05	5/16	7.9	0.59	14.9	5850	3.0	76.2	0.20	B		AF1
TAJ5BU	06	3/8	9.5	0.66	16.7	5850	3.5	88.9	0.26	B		AF1
TAJ5BU	08	1/2	12.7	0.79	20.1	5850	4.5	114.3	0.34	B		AF1

[†] 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.

Flexor Rig™ Slim Hole Rotary Drilling Hose



Flexor Rig™ – 6 Spirals

MSHA IC-152/16 approved flame resistance



ABT2K– 4 Spirals

MSHA IC-152/16 approved flame resistance
ISO 18752/CC 1,000,000+ impulse cycles all sizes



General Applications:

Rotary hose, specially designed for use in portable, work-over and seismograph drilling rigs.

Construction:

Tube — Oil resistant synthetic rubber.

Reinforcement — Four spiral wires for sizes -40 and -48. Six spiral wires for size -32.

Cover — Minetuff abrasion, ozone, hydrocarbon and flame resistant synthetic pin pricked rubber.

Service Temperature Range:

-40°F (-40°C) to +250°F (+121°C) constant operation.

Ambient temperature:

-40°F (-40°C) to +200°F (+100°C)

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

Branding:

ALFAGOMMA FLEXOR RIG ID – SLIM HOLE ROTARY –...WP ...MPa (...PSI) – DN – IN...MSHA IC-152/16 - Q/YR

Alfagomma Alfabiotech 2K Minetuff 2000 PSI Hydraulic Service - 3200 PSI Slim Hole Rotary Service MSHA IC-152/16 Made in Italy

Length:

100' and 200' lengths

Nominal Specifications

Series Number	Size Code	Construction	ID		OD		Max. Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations			
			(In)	(mm)	(In)	(mm)		(In)	(mm)		AlfaCrimp One-Piece		Two-Piece	
											Interlock			
FLEXOR RIG-32	32	6 Spiral	2	50.8	2.76	70.2	5000	21.6	550	4.14	M	F		XF1
ABT2K-40	40	4 Spiral	2 1/2	63.5	3.11	79.0	3200	28.3	720	3.33				XF1
ABT2K-48	48	4 Spiral	3	76.2	3.64	92.5	3200	33.1	840	3.64				VS4 – External Skive

FLEXOR RIG † Minimum burst pressure 4-to-1 safety factor for ID size 2".

ABT2K *Note: Slim Hole Rotary Hose Working Pressure 3200 psi, Hydraulic Service 2000 psi.

† Minimum burst pressure 4-to-1 hydraulic service/2.5-to-1 slim hole rotary.

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.

AT10KOC - Oilwell Cementing SUPERTUFF

ALFAGOMMA®

Flexor Rig Oilwell Cementing

NEW



AT10KOC - 6 wire spiral

MSHA IC-152/25 approved flame resistance



General Applications:

Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications. Specially designed for oil well cementing.

Construction:

Tube – Oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement – Six high tensile steel spirals.

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 Flexor Rig Oilwell Cementing 10K
MSHA IC- 152/25 - MADE IN ITALY

Length: 200 ft.

Note: Available with integral Fig. 1502 coupling or API threaded male extra-long hexagon fittings

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece Ferrule Interlock	
AT10KOC	32	2	50.8	2.83	71.9	10000	25.5	647.7	4.37	ZF1	

[†]2.5-to-1 Minimum Burst Pressure Rating.

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.

Waterblast Hose WB 10

NEW

**WB10 –
4 wire spiral**



General Applications:

High pressure water jetting

Construction:

Tube – Oil and water resistant synthetic rubber.

Reinforcement – Four high tensile steel spirals.

Cover – Oil, water and ozone resistant synthetic rubber.

Service Temperature Range:

Constant operation: +14°F (-10°C) to +158°F (+70°C)

Branding:

Dunlop Hiflex

Length:

Random length coils, all in multiples of 50 feet.

Examples: 200', 250', 300', 350'

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Skive	Ferrule Interlock
WB10	06	3/8	9.5	0.79	20.1	10000	6.0	152.4	0.37	AS4	
WB10	08	1/2	12.7	0.97	24.6	10000	8.0	203.2	0.54		XF2
WB10	12	3/4	19.1	1.24	31.4	10000	8.2	208.3	0.99		XF2
WB10	16	1	25.4	1.51	38.2	10000	11.0	279.4	1.37		XF2

[†] Minimum burst pressure: 2.5-to-1 safety factor.

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

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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

WB15 - Waterblast MINETUFF



Waterblast Hose WB 15



**WB15 –
4 wire spiral**

General Applications:

High pressure water jetting

Construction:

Tube – Oil and water resistant synthetic rubber.

Reinforcement – Four high tensile steel spirals.

Cover – Oil, water and ozone resistant synthetic rubber.

Service Temperature Range:

Constant operation: +14°F (-10°C) to +158°F (+70°C)

Branding:

Dunlop Hiflex

Length:

Random length coils, all in multiples of 50 feet.

Examples: 200', 250', 300', 350'

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working† Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations	
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece	
										Ferrule Interlock	
WB15	08	1/2	12.7	1.00	25.4	16000	8.0	203.2	0.75	WF9	
WB15	12	3/4	19.1	1.25	31.8	14500	11.0	279.4	1.13	WF9	

[†] Minimum burst pressure: 2.5:1 safety factor.

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

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Waterblast Hose WB 20

NEW

**WB20 –
4 wire spiral**



General Applications:

High pressure water jetting

Construction:

Tube – Oil and water resistant synthetic rubber.

Reinforcement – Four high tensile steel spirals and one steel braid.

Cover – Oil, water and ozone resistant synthetic rubber.

Service Temperature Range:

Constant operation: +14°F (-10°C) to +158°F (+70°C)

Branding:

Dunlop Hiflex

Length:

Random length coils, all in multiples of 50 feet.

Examples: 200', 250', 300', 350'

Nominal Specifications

Series Number	Size Code	ID		OD		Max Working [†] Pressure (psi)	Min. Bend. Radius		Weight (lbs/ft)	Coupling Recommendations
		(in)	(mm)	(in)	(mm)		(in)	(mm)		Two-Piece
										Ferrule Interlock
WB20	04	1/4	6.0	0.64	16.2	20000	4.92	125	0.41	WF9
WB20	06	3/8	10.0	0.87	22.0	20000	5.91	150	0.69	WF8
WB20	08	1/2	13.0	1.16	29.5	20000	7.87	200	0.97	WF8
WB20	12	3/4	19.0	1.38	35.0	20000	11.81	300	1.70	WF8

[†] Minimum burst pressure: 2.5-to-1 safety factor.

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

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