

Crimp Specifications for **KURIYAMA** Hydraulic Connections Hydraulic Hose and Fittings

NEW
UPDATED VERSION
MARCH 28, 2023



KuriCrimp™ KD100SH & SP
Light and powerful (35 ton) to go anywhere you need to go; makes hydraulic hose assemblies up to 1" ID 2 wire braided and 3/4" ABT4K.



KuriCrimp™ KD165
Has a 60 ton press, crimps 2 and 4 wire hose up to 1 1/4" and 6 wire up to 1" ID. 2 wire braided and ABT4K up to 1 1/4" and ABT5K up to 1" ID.



KuriCrimp™ KD2-50
Has 340 ton crimping force. Ideal fit for small shops; crimps a wide variety of hose and fittings as needed.

With Data for the *KuriCrimp™* KD100 & KD200 Series Crimping Systems



KURIYAMA
OF AMERICA, INC.

Since 1968

MISCELLANEOUS INFORMATION

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KuriCrimp™ Tool Selection Guide

Glossary of Terms:

Skive — Removal of the hose cover by way of knife hand tool, brush wheel or other method, exposing the uppermost layer of reinforcement prior to crimping.

Skive Length — Area to be skived prior to crimping.

Crimp Diameter — The measured outside diameter of the ferrule or shell - measuring the FLAT SURFACES of the crimped ferrule or shell. Acceptable range of tolerance for Alfagomma and Piranhaflex is +/- .005 inches.



Crimping specifications for this unit and these instructions were developed using ALFAGOMMA® hydraulic hose and couplings. Kuriyama of America and ALFAGOMMA® recommend using only the hose and coupling combinations specified in the current Kuriyama of America ALFAGOMMA® catalog and the crimp specifications for these KuriCrimp™ units. Be sure to read and follow the instructions in the KuriCrimp™ Operations Guide, the instructions beneath the

word “Important” below, and the specifications in the KuriCrimp™ Tool Selection Guide which appear on the following pages. Failure to act consistent with any of the above can result in serious bodily injury or damage.

Important!

The Micro Crimp adjuster setting values shown on this chart are APPROXIMATE SETTINGS only and should be used only as a starting point. Due to differences in calibration and metal surface machining tolerances, the Micro Crimp setting may require adjustment. It is highly recommended that the finished crimp diameter of each assembly made be measured with calipers to determine if adjustment is necessary. To determine actual setting, measure the crimp diameter of the crimped assembly end. To tighten the crimp diameter, adjust the setting to a higher value. To increase (enlarge) the finished crimp diameter, adjust the setting to a lower value.

The column labeled “Actual” adjacent to the “Approx” column in the tables has been provided to give the user a place to record his own ideal Micro Crimp setting.



KURIYAMA
OF AMERICA, INC.

HEADQUARTERS, SALES OFFICE AND WAREHOUSE

360 E. State Parkway, Schaumburg, IL 60173-5335
Phone: (847) 755-0360 • Toll-free Fax: (800) 800-0320
International Fax: (847) 885-0996



kuriyama.com



sales@kuriyama.com



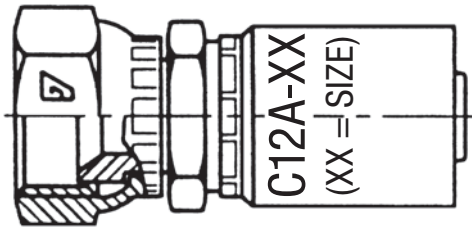
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Flexibility of the Alfacrimp System

The Alfacrimp system gives the hose assembler options to stock inventory that best suits their needs. The B series fitting is used on all wire braided style hoses up through 1" ID.

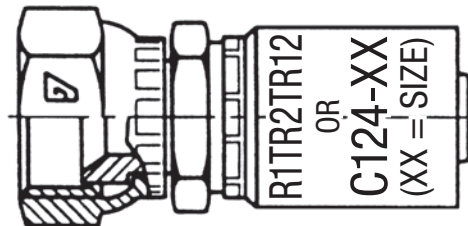
D fitting can be used on the hoses listed below so that there is no need to stock both braided-style fittings and spiral-style fittings.

(B) Series



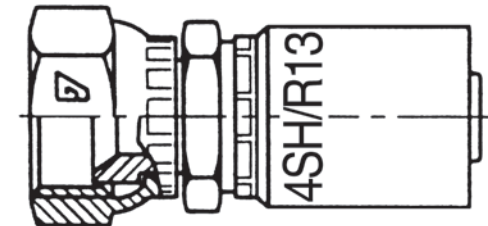
All Alfagomma
Wire Braided Hose Up
To 1" ID Size

(D) Series



TR1MT-20 thru -32
TR2MT-08 thru -32
TF2MT-16 thru -32
T1SNTT-12 thru -32
T2SNTT-06 thru -32
ABT3K-20 thru -32
ABT4K-06 thru -20
ABT5K-16

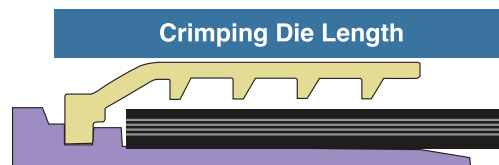
(F) Series



ABT4K-32
ABT5K-12 thru -32
ABT6K-12 thru -20

Note: All Alfagomma crimp fittings require a full length crimp that crimps the entire length of the ferrule including the pre-crimped portion of all one piece fittings. Finished crimps are not to have a bubble at the top or a skirt at the back. Finished crimps should be 100% flat. See illustrations to the right.

BEFORE CRIMPING



AFTER CRIMPING



TR1MT, TR1HT - R1/1SN MINETUFF and HIGH TEMP B & D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.685	17.4	16	1.40	88	KD/D100/200-16/Orange
B-05xx	5/16	17.0	0.752	19.1	19	0.10	99	KD/D100/200-19/Black
B-06xx	3/8	18.0	0.835	21.2	19	2.20	81	KD/D100/200-19/Black
B-08xx	1/2	20.0	0.969	24.6	23	1.60	86	KD/D100/200-23/Purple
B-10xx	5/8	21.0	1.098	27.9	27	0.90	92	KD/D100/200-27/Brown
B-12xx	3/4	24.0	1.248	31.7	31	0.70	94	KD/D100/200-31/Yellow
B-16xx	1	24.0	1.535	39.0	39	0.00	100	KD/D100/200-39/Red
D-20xx	1 1/4	39.0	1.957	49.7	48	1.70	86	KD/D100/200-48/Green
D-24xx	1 1/2	50.0	2.232	56.7	56	0.70	94	D200-56/Black
D-32xx	2	58.0	2.736	69.5	68DA	1.50	74	D200DA68/Silver

T1SN TT - R1/1SN TEMP TECH B & D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.685	17.4	16	1.40	88	KD/D100/200-16/Orange
B-06xx	3/8	18.0	0.846	21.5	19	2.50	79	KD/D100/200-19/Black
B-08xx	1/2	20.0	0.980	24.9	23	1.90	84	KD/D100/200-23/Purple
B-12xx	3/4	24.0	1.264	32.1	31	1.10	91	KD/D100/200-31/Yellow
B-16xx	1	24.0	1.547	39.3	39	0.30	97	KD/D100/200-39/Red
D-12xx	3/4	32.0	1.386	35.2	34	1.20	90	KD/D100/200-34/Red
D-16xx	1	39.0	1.697	43.1	41	2.10	82	KD/D100/200-41/Silver
D-20xx	1 1/4	39.0	1.992	50.6	49	1.60	86	KD/D100/200-49/Blue
D-24xx	1 1/2	50.0	2.232	56.7	56	0.70	94	D200-56/Black
D-32xx	2	58.0	2.764	70.2	68DA	2.20	62	D200DA68/Silver

TR2MT, TR2HT - R2/2SN MINETUFF and HIGH TEMP B & D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.717	18.2	16	2.20	81	KD/D100/200-16/Orange
B-05xx	5/16	17.0	0.791	20.1	19	1.10	91	KD/D100/200-19/Black
B-06xx	3/8	18.0	0.878	22.3	22	0.30	97	KD/D100/200-22/Blue
B-08xx	1/2	20.0	1.016	25.8	23	2.80	76	KD/D100/200-23/Purple
B-10xx	5/8	21.0	1.130	28.7	27	1.70	86	KD/D100/200-27/Brown
B-12xx	3/4	24.0	1.276	32.4	31	1.40	88	KD/D100/200-31/Yellow
B-16xx	1	24.0	1.567	39.8	39	0.80	93	KD/D100/200-39/Red
D-08xx	1/2	26.0	1.098	27.9	27	0.90	92	KD/D100/200-27/Brown
D-10xx	5/8	29.0	1.228	31.2	31	0.20	98	KD/D100/200-31/Yellow
D-12xx	3/4	32.0	1.406	35.7	34	1.70	86	KD/D100/200-34/Red
D-16xx	1	39.0	1.709	43.4	41	2.40	80	KD/D100/200-41/Silver
D-20xx	1 1/4	39.0	2.055	52.2	52	0.20	98	KD/D100/200-52/Black
D-24xx	1 1/2	50.0	2.327	59.1	56	3.10	74	D200-56/Black
D-32xx	2	58.0	2.835	72.0	72DA	0.00	100	D200DA72/Silver

T2SNTT - R2/2SN TEMP TECH B & D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.724	18.4	16	2.40	80	KD/D100/200-16/Orange
B-06xx	3/8	18.0	0.890	22.6	22	0.60	95	KD/D100/200-22/Blue
D-08xx	1/2	26.0	1.098	27.9	27	0.90	92	KD/D100/200-27/Brown
B-12xx	3/4	24.0	1.295	32.9	31	1.90	84	KD/D100/200-31/Yellow
B-16xx	1	24.0	1.583	40.2	39	1.20	90	KD/D100/200-39/Red
D-06xx	3/8	21.0	0.945	24.0	23	1.00	91	KD/D100/200-23/Purple
D-08xx	1/2	26.0	1.098	27.9	27	0.90	92	KD/D100/200-27/Brown
D-12xx	3/4	32.0	1.413	35.9	34	1.90	84	KD/D100/200-31/Red
D-16xx	1	39.0	1.720	43.7	43	0.70	94	KD/D100/200-43/Yellow
D-20xx	1 1/4	39.0	2.079	52.8	52	0.80	93	KD/D100/200-52/Black
D-24xx	1 1/2	50.0	2.346	59.6	56	3.60	69	D200-56/Black
D-32xx	2	58.0	2.854	72.5	72DA	0.50	91	D200DA72/Silver

TF2MT, TF2TL, TF2ST, TF2LT - FLEXOPAK 2/R16/2SC B & D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.693	17.6	16	1.60	86	KD/D100/200-16/Orange
B-05xx	5/16	17.0	0.760	19.3	19	0.30	97	KD/D100/200-19/Black
B-06xx	3/8	18.0	0.843	21.4	19	2.40	80	KD/D100/200-19/Black
B-08xx	1/2	20.0	0.996	25.3	23	2.30	80	KD/D100/200-23/Purple
B-10xx	5/8	21.0	1.106	28.1	27	1.10	91	KD/D100/200-27/Brown
B-12xx	3/4	24.0	1.260	32.0	31	1.00	91	KD/D100/200-31/Yellow
B-16xx	1	24.0	1.551	39.4	39	0.40	97	KD/D100/200-39/Red
D-16xx	1	39.0	1.701	43.2	43	0.20	98	KD/D100/200-43/Yellow
D-20xx	1 1/4	39.0	1.937	49.2	49	0.20	98	KD/D100/200-49/Blue
D-24xx	1 1/2	50.0	2.244	57.0	56	1.00	91	D200-56/Black
D-32xx	2	58.0	2.764	70.2	68DA	2.20	62	D200DA68/Silver

TF2HO - HOT OILER HOSE D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
D-24xx	1 1/2	50.0	2.244	57.0	56	1.00	91	D200-56/Black

AT3KMT & AT3KST - ALFATECH 3000/R17 B SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.661	16.8	16	0.80	93	KD/D100/200-16/Orange
B-06xx	3/8	18.0	0.811	20.6	19	1.60	86	KD/D100/200-19/Black
B-08xx	1/2	26.0	0.937	23.8	23	0.80	93	KD/D100/200-23/Purple
B-10xx	5/8	24.0	1.106	28.1	27	1.10	91	KD/D100/200-27/Brown
B-12xx	3/4	28.0	1.260	32.0	31	1.00	91	KD/D100/200-31/Yellow
B-16xx	1	36.0	1.551	39.4	39	0.40	97	KD/D100/200-39/Red

ABT3K - ALFABIOTECH 3000/R12 D SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
D-20xx	1 1/4	39.0	2.039	51.8	51	0.80	93	KD/D100/200-51/Orange
D-24xx	1 1/2	50.0	2.299	58.4	58DA	0.40	93	D200DA58/Red
D-32xx	2	58.0	2.886	73.3	72DA	1.30	78	D200DA72/Silver

ABT4K - ALFABIOTECH 4000/R12 D & F SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
D-06xx	3/8	21.0	0.965	24.5	23	1.50	87	KD/D100/200-23/Purple
D-08xx	1/2	26.0	1.110	28.2	27	1.20	90	KD/D100/200-27/Brown
D-10xx	5/8	29.0	1.256	31.9	31	0.90	92	KD/D100/200-31/Yellow
D-12xx	3/4	32.0	1.406	35.7	34	1.70	86	KD/D100/200-34/Red
D-16xx	1	39.0	1.720	43.7	41	2.70	77	KD/D100/200-41/Silver
D-20xx	1 1/4	39.0	2.040	51.8	51	0.80	93	KD/D100/200-51/Orange
F-32xx	2	88.0	2.984	75.8	74DA	1.80	69	KD/D100/200-74/Purple

ABT5K - ALFABIOTECH 5000/R13 D, F & M SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
D-16xx	1	39.0	1.732	44.0	43	1.00	74	KD/D100/200-41/Silver
F-12xx	3/4	49.0	1.429	36.3	34	2.30	80	KD/D100/200-34/Red
F-16xx	1	56.0	1.697	43.1	41	2.10	82	KD/D100/200-41/Silver
F-20xx [‡]	1 1/4	84.0	2.071	52.6	52	0.60	95	D200-52/Orange
F-20xx [†]	1 1/4	84.0	2.142	54.4	52	2.40	80	D200-52/Orange
F-24xx ^{##}	1 1/2	75.0	2.492	^{##} 63.3	62DA	1.30	78	D200DA62/Black
F-24xx ^{**}	1 1/2	75.0	2.457	^{**} 62.4	62DA	0.40	78	D200DA62/Black
F-32xx	2	88.0	3.059	77.7	76DA	1.70	71	D200DA76/Yellow
M-32xx	2	88.0	3.059	77.7	76DA	1.70	71	D200DA76/Yellow

[‡] Crimp Diameter Valid for Hose Marked Until End 2016

[†] Crimp Diameter Valid for Hose Marked From 2017

^{##} Crimp Diameter Valid for Hose Marked Until End 2018

^{**} Crimp Diameter Valid for Hose Marked From 2019

ABT6K - ALFABIOTECH 6000/R15 F SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
F-12xx	3/4	49.0	1.453	36.9	34	2.90	75	KD/D100/200-34/Red
F-16xx	1	56.0	1.732	44.0	41	3.00	74	KD/D100/200-41/Silver
F-20xx	1 1/4	84.0	2.236	56.8	56	0.80	93	D200-56/Black

TAJ3BK/BU - ALFAJET 210 and KK4BK/BU K-KLEEN 4000 PRESSURE WASHER B SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.661	16.8	16	0.80	93	KD/D100/200-16/Orange
B-06xx	3/8	18.0	0.811	20.6	19	1.60	86	KD/D100/200-19/Black
B-08xx	1/2	26.0	0.937	23.8	23	0.80	93	KD/D100/200-23/Purple

TAJ5BK/BU - ALFAJET 400 PRESSURE WASHER B SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
B-04xx	1/4	17.0	0.697	17.7	16	1.70	86	KD/D100/200-16/Orange
B-06xx	3/8	18.0	0.835	21.2	19	2.20	81	KD/D100/200-19/Black
B-08xx	1/2	20.0	0.976	24.8	23	1.80	85	KD/D100/200-23/Purple

FLEXOR RIG F & M SERIES ONE-PIECE NON-SKIVE

FITTING SERIES NUMBER	SIZE ID (in)	INSERT LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
F-16xx	1	56.0	1.728	43.9	41	2.90	75	KD/D100/200-41/Silver
F-20xx†	1 1/4	84.0	2.071	52.6	52DA	0.60	90	D200DA52/Orange
F-20xx‡	1 1/4	84.0	2.272	57.7	55DA	2.70	53	D200DA55/Blue
F-24xx†	1 1/2	75.0	2.492	63.3	62DA	1.30	78	D200DA62/Black
F-24xx‡	1 1/2	75.0	2.528	64.2	62DA	2.20	62	D200DA62/Black
F-32xx	2	88.0	3.059	77.7	76DA	1.70	71	D200DA76/Yellow
M-32xx	2	88.0	3.071	78.0	76DA	2.00	65	D200DA76/Yellow

*C12R / (M) use with FLEXOR RIG -32 only.

† Crimp Dimensions Used for Hose Produced After 05/2016

‡ Crimp Dimensions Used for Hose Produced Before 05/2016

PIRANHAFLEX™ PF354/PF354NC-02 (USING ONE-PIECE FITTING)							
FITTING PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.003"	CRIMP DIAMETER (mm) ± 0.080	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
F02NPT2	1/8	0.365	9.27	9	0.27	98	KD/D100/200-9/BLACK

PIRANHAFLEX™ PF321TC (USING ONE-PIECE STAINLESS STEEL FITTINGS)									
FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION	#1) Pre Crimp - Crimp position from bottom of Ferrule measured up	#2) Post Crimp Length (INCHES) (+/-0.010)
* P-03XX	3/16	0.515	* 13.10	13	0.10	99	* KD/D100-13/Purple	0.750	0.900
P-04XX	1/4	0.590	14.99	14	0.99	92	KD/D100-14/Yellow	1.125	1.250

* PF321TC-03 "MUST" be crimped using a KD/D100-13/Purple die or a true 13mm die to achieve a proper crimp

- This is "NOT" a full ferrule crimp and the crimp location is measured from the ferrule bottom up towards the connection (see figures 1 & 2)
- Refer to the above crimp table for proper crimp diameter and set up crimper accordingly. NOTE: the -03 size "MUST" be crimped using a KD/D100-13/Purple die.
- Measure finished crimp length as shown in figure 3. The finish crimp length should be within the +/- tolerances called out in the table above.
- Measure finished crimp diameter (across the flats/roots) (see figure 4). The finish crimp should be within +/- tolerances called out in the table above.
- Both the "post crimp diameter" and "post crimp length" must be measured and within tolerances to assure a proper crimp.

Figure 1



Figure 2

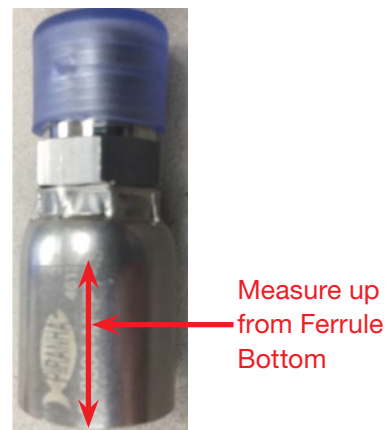


Figure 3

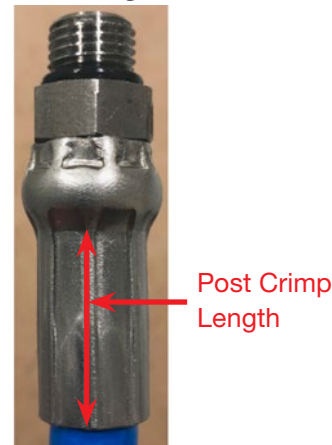
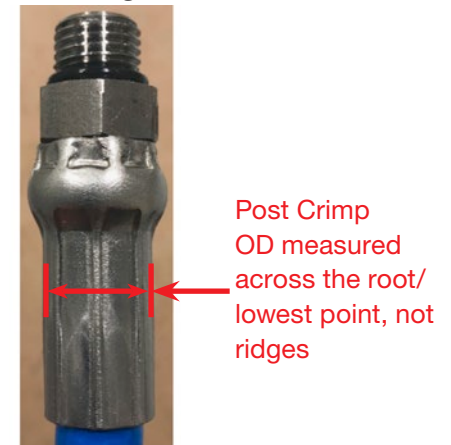


Figure 4



PIRANHAFLEX™ PF267/PF267NC/PF354/PF354NC/PFP354/ PFP354NC (USING ONE-PIECE STAINLESS STEEL FITTINGS)

FITTING SERIES	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm) ± 0.127	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION	#1) Pre Crimp - Crimp position from bottom of Ferrule measured up	#2) Post Crimp Length (INCHES) (+/-0.010)
* P-03XX	3/16	0.530	*13.46	13	0.46	88	KD/D100/200-13/PURPLE	0.750	0.900
P-04XX	1/4	0.590	14.99	14	0.99	92	KD/D100/200-14/YELLOW	1.250	1.250

* PF267/PF267NC/PF354/PF354NC/PFP354/PFP354NC "MUST" be crimped using a KD/D100-13/Purple die or a true 13mm die to achieve a proper crimp

- This is "NOT" a full ferrule crimp and the crimp location is measured from the ferrule bottom up towards the connection (see figures 1 & 2)
- Refer to the above crimp table for proper crimp diameter and set up crimper accordingly. NOTE: the -03 size "MUST" be crimped using a KD/D100-13/ Purple die.
- Measure finished crimp length as shown in figure 3. The finish crimp length should be within the +/- tolerances called out in the table above.
- Measure finished crimp diameter (across the flats/roots) (see figure 4). The finish crimp should be within +/- tolerances called out in the table above.
- Both the "post crimp diameter" and " post crimp length" must be measured and within tolerances to assure a proper crimp.

Figure 1

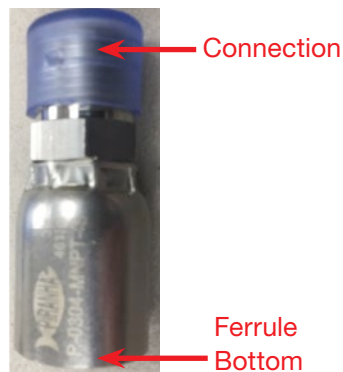


Figure 2



Figure 3

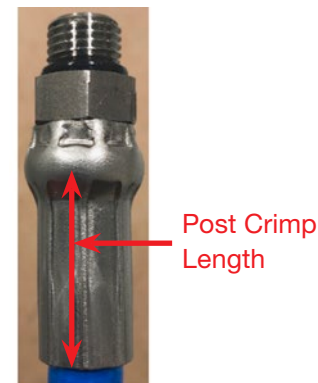
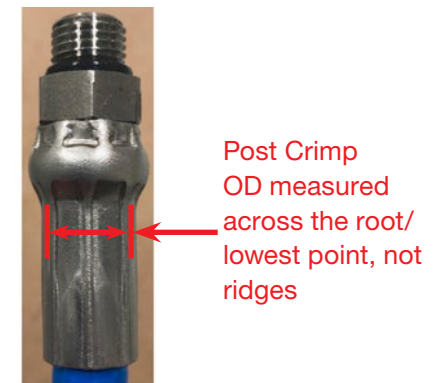


Figure 4



PIRANHAFLEX™ PF344LMT (USING ONE-PIECE STAINLESS STEEL FITTINGS)

FITTING SERIES	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005 "	CRIMP DIAMETER (mm) ± 0.127	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION	#1) Pre Crimp - Crimp position from bottom of Ferrule measured up	#2) Post Crimp Length (INCHES) (+/-0.010)
P-04XX	1/4	0.590	14.99	14	0.99	92	KD/D100/200-14/YELLOW	1.250	1.250

Piranhaflex PF427/PF427NC (USING ONE-PIECE STAINLESS STEEL FITTINGS)

FITTING SERIES	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005 "	CRIMP DIAMETER (mm) ± 0.127	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION	#1) Pre Crimp - Crimp position from bottom of Ferrule measured up	#2) Post Crimp Length (INCHES) (+/-0.010)
P-04XX	1/4	0.590	14.99	14	0.99	92	KD/D100/200-14/YELLOW	1.250	1.250

- This is "NOT" a full ferrule crimp and the crimp location is measured from the ferrule bottom up towards the connection (see figures 1 & 2)
- Refer to the above crimp table for proper crimp diameter and set up crimper accordingly.
- Measure finished crimp length as shown in figure 3. The finish crimp length should be within the +/- tolerances called out in the table above.
- Measure finished crimp diameter (across the flats/roots) (see figure 4). The finish crimp should be within +/- tolerances called out in the table above.
- Both the "post crimp diameter" and "post crimp length" must be measured and within tolerances to assure a proper crimp.

Figure 1

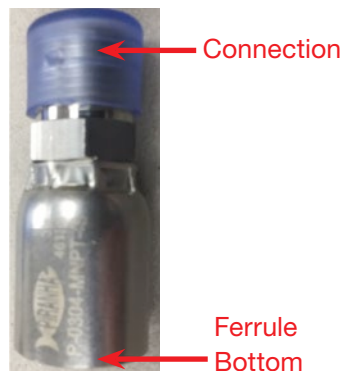


Figure 2



Figure 3

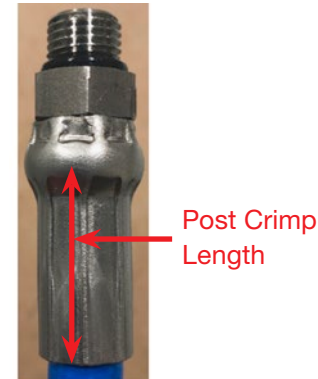
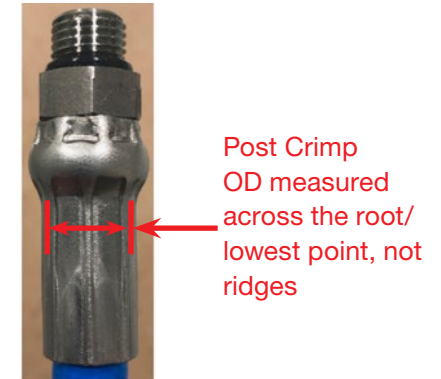


Figure 4



Piranhaflex PF628/PF628NC (USING ONE-PIECE STAINLESS STEEL FITTINGS)

FITTING SERIES	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005 "	CRIMP DIAMETER (mm) ± 0.127	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION	#1) Pre Crimp - Crimp position from bottom of Ferrule measured up	#2) Post Crimp Length (INCHES) (+/-0.010)
* P-03XX	3/16	0.515	*13.1	13	0.10	92	KD/D100/200-13/PURPLE	0.750	0.900
P-04XX	1/4	0.560	14.22	14	0.22	98	KD/D100/200-14/YELLOW	1.250	1.250

* PF628/PF628NC "MUST" be crimped using a KD/D100-13/Purple die or a true 13mm die to achieve a proper crimp

- This is "NOT" a full ferrule crimp and the crimp location is measured from the ferrule bottom up towards the connection (see figures 1 & 2)
- Refer to the above crimp table for proper crimp diameter and set up crimper accordingly. NOTE: the -03 size "MUST" be crimped using a KD/D100-13/Purple die.
- Measure finished crimp length as shown in figure 3. The finish crimp length should be within the +/- tolerances called out in the table above.
- Measure finished crimp diameter (across the flats/roots) (see figure 4). The finish crimp should be within +/- tolerances called out in the table above.
- Both the "post crimp diameter" and "post crimp length" must be measured and within tolerances to assure a proper crimp.

Figure 1



Figure 2

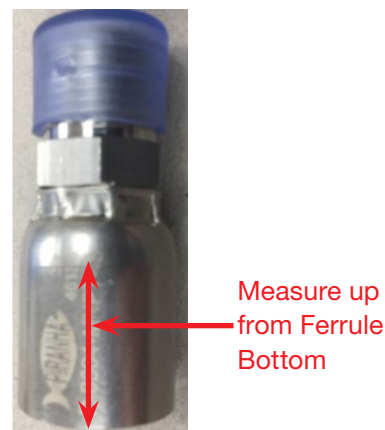


Figure 3

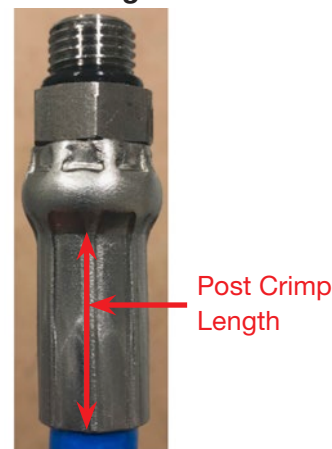
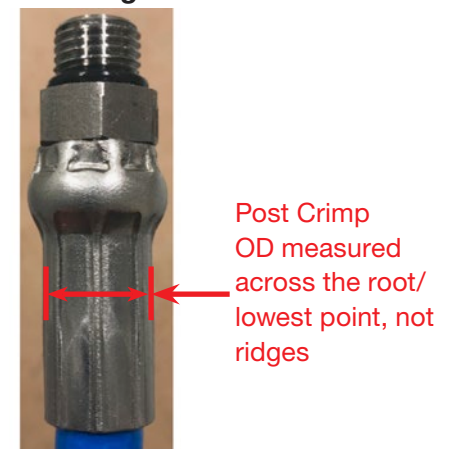


Figure 4



Piranhaflex™ T400 Tool Selector Guide

Refer to the Piranhaflex™ Tool Selector Chart to choose the correct Die Size, Spacer along with the Main Pusher Plate for the correct size Piranhaflex™ hose you are going to crimp.

PF354/PF354NC/PFP354/PFP354NC/PF367/PF367NC/PF267/PF267NC/ PFAN388NC/PFLT364 – TWO-PIECE A INSERT + PFR FERRULE

	PFR-03	PFR-04	PFR7-05*	PFR-06	PFR-08
Crimp Spec	12.07	14.22	15.75	17.78	22.23
Die Size	12	14.2	14.2	17.4	22.2
Die Color	Purple	Yellow	Yellow	Orange	Blue
Spacer	None	None	#2	#1	None
Pusher Plate	Nose Up	Nose Up	Nose Down	Nose Down	Nose Up

*PFR7-05 ferrules are to be used only with SAE 100R7 hoses!

PF628/PF628NC/PF321TC – TWO-PIECE A INSERT + PFR FERRULE

	PFR-03	PFR-04	PFR-06	PFR-08
Crimp Spec	12.01	13.84	17.4	22.48
Die Size	12	12	17.4	22.2
Die Color	Purple	Purple	Orange	Blue
Spacer	None	#2	None	#1
Pusher Plate	Nose Up	Nose Down	Nose Up	Nose Down

PF427/PF427NC – TWO-PIECE A INSERT + PFR FERRULE

	PFR-04	PFR-06	PFR-08
Crimp Spec	14.22	17.78	22.48
Die Size	14.2	17.4	22.2
Die Color	Yellow	Orange	Blue
Spacer	None	#1	#1
Pusher Plate	Nose Up	Nose Down	Nose Down

PF344LMT – TWO-PIECE A INSERT + PFR FERRULE

	PFR-04	PFR-06	PFR-08
Crimp Spec	14.22	17.78	22.23
Die Size	14.2	17.4	22.2
Die Color	Yellow	Orange	Blue
Spacer	None	#1	#1
Pusher Plate	Nose Up	Nose Down	Nose Up

PIRANHAFLEX™ PF354/PF354NC/PFP354/PFP354NC/PF367/ PF367NC/PF267/PF267NC/PFAN388NC/PFLT364 (USING TWO-PIECE) A INSERT + PFR FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
PFR-03	3/16	0.475	12.07	12	0.07	99	KD/D100/200-12/Purple
PFR-04	1/4	0.560	14.22	14	0.22	98	KD/D100/200-14/Yellow
PFR7-05*	5/16	0.620	15.75	14	1.75	85	KD/D100/200-14/Yellow
PFR-06	3/8	0.700	17.78	16	1.78	85	KD/D100/200-16/Orange
PFR-08	1/2	0.875	22.23	22	0.23	98	KD/D100/200-22/Blue
PFR-12	3/4	1.150	29.21	27	2.21	81	KD/D100/200-27/Brown

*PFR7-05 ferrules are to be used only with SAE 100R7 hoses!

PIRANHAFLEX™ PF151R3/PF415CP (USING TWO-PIECE) A INSERT + PFR3 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
PFR3-04	1/4	0.500	12.70	12	0.70	94	KD/D100/200-12/Purple
PFR3-05	5/16	0.600	15.24	14	1.24	89	KD/D100/200-14-Yellow
PFR3-06	3/8	0.665	16.89	16	0.89	92	KD/D100/200-16/Orange
PFR3-08	1/2	0.780	19.81	19	0.81	93	KD/D100/200-19/Black

PIRANHAFLEX™ PF628/PF628NC/PF321TC (USING TWO-PIECE) A INSERT + PFR FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
PFR-03	3/16	0.473	12.01	12	0.01	100	KD/D100/200-12/Purple
PFR-04	1/4	0.545	13.84	12	1.84	84	KD/D100/200-12/Purple
PFR-06	3/8	0.685	17.40	16	1.40	88	KD/D100/200-16/Orange
PFR-08	1/2	0.885	22.48	22	0.48	96	KD/D100/200-22/Blue
PFR-12	3/4	1.150	29.21	27	2.21	81	KD/D100/200-27/Brown

PIRANHAFLEX™ PF528/PF528NC (USING TWO-PIECE) A INSERT + AFX FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AFX-04	1/4	0.700	17.78	16	1.78	85	KD/D100/200-16/Orange
AFX-06	3/8	0.845	21.46	20	1.46	88	KD/D100/200-20/Green
AFX-08	1/2	0.975	24.76	23	1.76	85	KD/D100/200-24/Purple
AFX-12	3/4	1.280	32.51	31	1.51	87	KD/D100/200-31/Yellow

PIRANHAFLEX™ PF427/PF427NC (USING TWO-PIECE) A INSERT + PFR FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
PFR-04	1/4	0.560	14.22	14	0.22	95	KD/D100/200-14/Yellow
PFR-06	3/8	0.700	17.78	16	1.78	85	KD/D100/200-16/Orange
PFR-08	1/2	0.885	22.48	22	0.48	96	KD/D100/200-22/Blue

PIRANHAFLEX PF344LMT (USING TWO-PIECE) A INSERT + PFR/AFX FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (If Req.)	SKIVE TOOL NUMBER (If Req.)	CRIMP DIAMETER (in) ± 0.005"	CRIMP DIAMETER (mm)	DIE & COLOR	METRIC MICROMETER APPROX	KD100 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
PFR-04	1/4	N/R	N/R	0.560	14.22	14	0.22	98	KD/D100/200-14/Yellow
PFR-06	3/8	N/R	N/R	0.700	17.78	16	1.78	85	KD/D100/200-16/Orange
PFR-08	1/2	N/R	N/R	0.875	22.23	22	0.23	98	KD/D100/200-22/Blue
AFX-12	3/4	N/R	N/R	1.225	31.12	31	0.12	99	KD/D100/200-31/Yellow
AFX-16	1	N/R	N/R	1.600	40.64	39	1.64	86	KD/D100/200-39/Red

TR1MT, TR1HT - R1/1SN MINETUFF and HIGH TEMP TWO-PIECE A INSERT + AF1 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-03	3/16	0.583	14.8	14	0.80	93	KD/D100/200-14/Yellow
AF1-04	1/4	0.677	17.2	16	1.20	90	KD/D100/200-16/Orange
AF1-05	5/16	0.744	18.9	16	2.90	75	KD/D100/200-16/Orange
AF1-06	3/8	0.843	21.4	19	2.40	80	KD/D100/200-19/Black
AF1-08	1/2	0.972	24.7	23	1.70	86	KD/D100/200-23/Purple
AF1-10	5/8	1.094	27.8	27	0.80	93	KD/D100/200-27/Brown
AF1-12	3/4	1.248	31.7	31	0.70	94	KD/D100/200-31/Yellow
AF1-16	1	1.551	39.4	39	0.40	97	KD/D100/200-39/Red
AF1-20	1 1/4	1.870	47.5	43	4.50	62	KD/D100/200-43/Yellow
AF1-24	1 1/2	2.142	54.4	52	2.40	80	D200-52/Black
AF1-32	2	2.677	68.0	68DA	0.00	100	D200DA68/Silver

TR1MT, TR1HT - R1/1SN MINETUFF and HIGH TEMP TWO-PIECE A INSERT + AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF2-16	1	1.527	38.8	34	4.80	59	KD/D100/200-34/RED

T1SN TT - R1/1SN TEMP TECH TWO-PIECE A INSERT + AF1 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-04	1/4	0.677	17.2	16	1.20	90	KD/D100/200-16/Orange
AF1-06	3/8	0.850	21.6	19	2.60	78	KD/D100/200-19/Black
AF1-08	1/2	0.984	25.0	23	2.00	83	KD/D100/200-23/Purple
AF1-12	3/4	1.264	32.1	31	1.10	91	KD/D100/200-31/Yellow
AF1-16	1	1.563	39.7	39	0.70	94	KD/D100/200-39/Red
AF1-20	1 1/4	1.894	48.1	48	0.10	99	KD/D100/200-48/Green
AF1-24	1 1/2	2.150	54.6	52	2.60	78	D200-52/Black
AF1-32	2	2.717	69.0	68DA	1.00	83	D200DA68/Silver

TR2MT, TR2HT - R1/1SN MINETUFF and HIGH TEMP TWO-PIECE A INSERT + AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF2-04	1/4	0.717	18.2	16	2.20	81	KD/D100/200-16\Orange
AF2-05	5/16	0.791	20.1	19	1.10	91	KD/D100/200-19\Black
AF2-06	3/8	0.878	22.3	22	0.30	97	KD/D100/200-22\Blue
AF2-08	1/2	1.000	25.4	23	2.40	80	KD/D100/200-23\Purple
AF2-10	5/8	1.134	28.8	27	1.80	85	KD/D100/200-27\Brown
AF2-12	3/4	1.280	32.5	31	1.50	87	KD/D100/200-31\Yellow
AF2-16	1	1.571	39.9	39	0.90	92	KD/D100/200-39\Red
AF2-20	1 1/4	1.953	49.6	49	0.60	95	KD/D100/200-49\Blue
AF2-24	1 1/2	2.232	56.7	56	0.70	94	D200-56\Black
AF2-32	2	2.787	70.8	68DA	2.80	52	D200DA68\Silver

T2SNTT - R2/2SN TEMP TECH TWO-PIECE A INSERT + AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF2-04	1/4	0.724	18.4	16	2.40	80	KD/D100/200-16\Orange
AF2-06	3/8	0.890	22.6	22	0.60	95	KD/D100/200-22\Blue
AF2-08	1/2	1.016	25.8	23	2.80	76	KD/D100/200-23\Purple
AF2-12	3/4	1.299	33.0	31	2.00	83	KD/D100/200-31\Yellow
AF2-16	1	1.583	40.2	39	1.20	90	KD/D100/200-39\Red
AF2-20	1 1/4	1.976	50.2	48	2.20	81	KD/D100/200-48\Green
AF2-24	1 1/2	2.248	57.1	56	1.10	91	D200-56\Black
AF2-32	2	2.803	71.2	68DA	3.20	45	D200DA68\Silver

TR4XF (T634AA) and (T604AA) - R4 TWO-PIECE A INSERT + AFX NON-SKIVE FERRULE

(Can also be used with T202, T605, T616, T632 and T644)

FERRULE PART NUMBER	SIZE ID (in)	EXTERNAL DIAMETER HOSE	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AFX-12	3/4	27.5	1.268	32.2	31	1.20	90	KD/D100/200-31/Yellow
		28.0	1.283	32.6		1.60	86	
		28.5	1.295	32.9		1.90	84	
		29.0	1.311	33.3		2.30	80	
		29.5	1.327	33.7		2.70	77	
		30.0	1.343	34.1	34	0.10	99	KD/D100/200-34/Red
		30.5	1.354	34.4		0.40	97	
AFX-16	1	33.5	1.531	38.9	39	0.00	100	KD/D100/200-39/Red
		34.0	1.547	39.3		0.30	97	
		34.5	1.559	39.6		0.60	95	
		35.0	1.575	40.0		1.00	91	
		35.5	1.591	40.4		1.40	88	
		36.0	1.606	40.8		1.80	85	
		36.5	1.618	41.1		2.10	82	
AFX-20	1 1/4	40.5	1.768	44.9	45	0.00	100	KD/D100/200-45/Green
		41.0	1.783	45.3		0.30	97	
		41.5	1.795	45.6		0.60	95	
		42.0	1.811	46.0		1.00	91	
		42.5	1.827	46.4		1.40	88	
		43.0	1.843	46.8		1.80	85	
		43.5	1.854	47.1		2.10	82	

TR4XF (T634AA) and (T604AA) - R4 (continued) TWO-PIECE A INSERT + AFX NON-SKIVE FERRULE

(Can also be used with T202, T605, T616, T632 and T644)

FERRULE PART NUMBER	SIZE ID (in)	EXTERNAL DIAMETER HOSE	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AFX-24	1 1/2	46.5	2.016	51.2	51	0.20	98	KD/D100/200-51/Orange
		47.0	2.031	51.6		0.60	95	
		47.5	2.043	51.9		0.90	92	
		48.0	2.059	52.3		1.30	89	
		48.5	2.075	52.7		1.70	86	
		49.0	2.091	53.1		2.10	82	
		49.5	2.102	53.4		2.40	80	
AFX-32	2	59.5	2.559	65.0	64	1.00	91	D200DA-64/Silver
		60.0	2.575	65.4		1.40	88	
		60.5	2.587	65.7		1.70	86	
		61.0	2.602	66.1		2.10	82	
		61.5	2.618	66.5		2.50	79	
		62.0	2.634	66.9		2.90	75	
		62.5	2.646	67.2		3.20	73	
AFX-40	2 1/2	73.5	3.106	78.9	78	0.90	84	D200DA-78/Black
		74.0	3.118	79.2		1.20	79	
		74.5	3.134	79.6		1.60	72	
		75.0	3.146	79.9		1.90	67	
		75.5	3.161	80.3		2.30	60	
		76.0	3.173	80.6		2.60	55	
		75.5	3.189	81.0		3.00	48	

TR5, TR5HT, TR5TT - R5/R5 HIGH TEMP and TEMP TECH TWO-PIECE A INSERT + AFX NON-SKIVE FERRULE

HOSE PART NUMBER	FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
TR5-04	AFX-03	3/16	0.654	16.6	16	0.60	95	KD/D100/200-16/Orange
TR5-05	AFX-04	1/4	0.728	18.5	16	2.50	79	KD/D100/200-16/Orange
TR5-06	AFX-05	5/16	0.819	20.8	19	1.80	85	KD/D100/200-19/Black
TR5-08	AFX-06	13/32	0.925	23.5	23	0.50	96	KD/D100/200-23/Purple
TR5-10	AFX-08	1/2	1.031	26.2	23	3.20	73	KD/D100/200-23/Purple
TR5-12	AFX-10	5/8	1.185	30.1	27	3.10	74	KD/D100/200-27/Brown
TR5-16	AFX-12	7/8	1.362	34.6	34	0.60	95	KD/D100/200-34/Red
TR5-20	AFX-16	1 1/8	1.669	42.4	41	1.40	88	KD/D100/200-41/Silver
TR5-24	AFX-20	1 3/8	1.874	47.6	45	2.60	78	KD/D100/200-45/Green
TR5-32	AFX-32	1 13/16	2.441	62.0	61DA	1.00	83	D200DA61/Orange

HOSE PART NUMBER	DASH SIZE	HOSE ID (in)	FERRULE	INSERTS			
				OTHER TYPES	NPT MALE	JIC FEMALE SWIVEL	JIC 90° FEMALE SWIVEL
TR5-04	04	3/16	AFX-03	A-03XX-XXXX	A-0302-MNPT	A-0304-FJDH	A-0304-FJ9M
TR5-05	05	1/4	AFX-04	A-04XX-XXXX	A-0404-MNPT	A-0404-FJDH	A-0404-FJ9M
TR5-06	06	5/16	AFX-05	A-05XX-XXXX	A-0506-MNPT	A-0506-FJDH	A-0506-FJ9M
TR5-08	08	13/32	AFX-06	A-06XX-XXXX	A-0606-MNPT	A-0606-FJDH	A-0606-FJ9M
TR5-10	10	1/2	AFX-08	A-08XX-XXXX	A-0808-MNPT	A-0808-FJDH	A-0808-FJ9M
TR5-12	12	5/8	AFX-10	A-10XX-XXXX	A-1012-MNPT	A-1012-FJDH	A-1012-FJ9M
TR5-16	16	7/8	AFX-12	A-14XX-XXXX	A-1416-MNPT	A-1416-FJDH	-
TR5-20	20	1 1/8	AFX-16	A-18XX-XXXX	A-1820-MNPT	A-1820-FJDH	-
TR5-24	24	1 3/8	AFX-20	A-22XX-XXXX	A-2224-MNPT	A-2224-FJDH	-
TR5-32	32	1 13/16	AFX-32	A-29XX-XXXX	A-2932-MNPT	A-2932-FJDH	-

TF2MT, TF2TL, TF2ST, TF2LT - FLEXOPAK 2/R16/2SC TWO-PIECE A INSERT + AF1 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-04	1/4	0.685	17.4	16	1.40	88	KD/D100/200-16\Orange
AF1-05	5/16	0.744	18.9	16	2.90	75	KD/D100/200-16\Orange
AF1-06	3/8	0.839	21.3	19	2.30	80	KD/D100/200-19\Black
AF1-08	1/2	0.988	25.1	23	2.10	82	KD/D100/200-23\Purple
AF1-10	5/8	1.098	27.9	27	0.90	92	KD/D100/200-27\Brown
AF1-12	3/4	1.248	31.7	31	0.70	94	KD/D100/200-31\Yellow
AF1-16	1	1.567	39.8	39	0.80	93	KD/D100/200-39\Red
AF1-20	1 1/4	1.854	47.1	45	2.10	85	KD/D100/200-45\Orange
AF1-24	1 1/2	2.154	54.7	52	2.70	77	D200-52\Black
AF1-32	2	2.697	68.5	68DA	0.50	91	D200DA68\Silver

TF2MT, TF2ST, TF2LT - FLEXOPAK 2/R16/2SC TWO-PIECE A INSERT + AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF2-12	3/4	1.248	31.7	31	0.70	94	KD/D100/200-31\Yellow
AF2-16	1	1.543	39.2	39	0.20	97	KD/D100/200-39\Red

AT3KMT, AT3KST - ALFATECH 3000/R17 TWO-PIECE A INSERT + AF1/AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-04	1/4	0.650	16.5	16	0.50	96	KD/D100/200-16/Orange
AF1-06	3/8	0.803	20.4	19	1.40	88	KD/D100/200-19/Black
AF1-08	1/2	0.941	23.9	23	0.90	92	KD/D100/200-23/Purple
AF1-10	5/8	1.098	27.9	27	0.90	92	KD/D100/200-27/Brown
AF1-12	3/4	1.248	31.7	31	0.70	94	KD/D100/200-31/Yellow
AF1-16	1	1.567	39.8	39	0.80	93	KD/D100/200-39/Red

AT3KMT, AT3KST - ALFATECH 3000/R17 TWO-PIECE A INSERT + AF1/AF2 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF2-12	3/4	1.248	31.7	31	0.70	94	KD/D100/200-31\Yellow
AF2-16	1	1.543	39.2	39	0.20	97	KD/D100/200-39\Red

ABT3K - ALFABIOTECH 3000/R12 TWO-PIECE A INSERT + AF4 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF4-20	1 1/4	2.039	51.8	51	0.80	93	KD/D100/200-51/Orange
AF4-24	1 1/2	2.299	58.4	58DA	0.40	93	D200DA58/Red

ABT4K - ALFABIOTECH 4000/R12 TWO-PIECE A INSERT + AF4 NON-SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF4-06	3/8	N/A	0.965	24.5	23	1.50	87	KD/D100/200-23/Purple
AF4-08	1/2	N/A	1.110	28.2	27	1.20	90	KD/D100/200-27/Brown
AF4-10	5/8	N/A	1.217	30.9	27	3.90	67	KD/D100/200-27/Brown
AF4-12	3/4	N/A	1.406	35.7	34	1.70	86	KD/D100/200-34/Red
AF4-16	1	N/A	1.709	43.4	41	2.40	80	KD/D100/200-41/Silver
AF4-20	1 1/4	N/A	2.039	51.8	51	0.80	93	KD/D100/200-51/Orange

ABT4K - ALFABIOTECH 4000/R12 TWO-PIECE A INSERT + AS4 EXTERNAL SKIVE FERRULE

ABT4K - ALFABIOTECH 4000 TWO-PIECE INTERLOCK X INSERT + XF2 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AS4-08	1/2	25.0 OD	1.035	26.3	23	3.30	72	KD/D100/200-23/Purple
AS4-12	3/4	33.0 OD	1.272	32.3	31	1.30	89	KD/D100/200-31/Yellow
AS4-16	1	37.0 OD	1.610	40.9	39	1.90	84	KD/D100/200-39/Red
XF2-24	1 1/2	81.0 OD 22.0 ID	2.252	57.2	55DA	2.20	62	D200DA55/Blue
XF2-32	2	85.0 OD 29.0 ID	2.886	73.3	72DA	1.30	78	D200DA72/Silver

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABT5K - ALFABIOTECH 5000/R13

TWO-PIECE A INSERT + AS4 EXTERNAL SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AS4-10	5/8	28.0 OD	1.138	28.9	27	1.90	84	KD/D100/200-27/Brown
AS4-12	3/4	33.0 OD	1.311	33.3	31	2.30	80	KD/D100/200-31/Yellow
AS4-16	1	37.0 OD	1.622	41.2	41	0.20	98	KD/D100/200-41/Silver

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABT5K - ALFABIOTECH 5000/R13

TWO-PIECE INTERLOCK X INSERT + XF1 or XF2 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
XF2-12	3/4	52.0 OD 15.0 ID	1.323	33.6	31	2.60	78	KD/D100/200-31/Yellow
XF2-16	1	65.0 OD 17.0 ID	1.642	41.7	41	0.70	94	KD/D100/200-41/Silver
XF2-20 [‡]	1 1/4	74.0 OD 22.0 ID	1.957	49.7	48DA	1.70	71	D200DA48/Green
XF2-20 [†]	1 1/4	74.0 OD 22.0 ID	1.996	50.7	48DA	2.70	53	D200DA48/Green
XF1-24 [#]	1 1/2	81.0 OD 22.0 ID	2.488	63.2	61DA	2.20	62	D200DA61/Orange
XF1-24 ^{**}	1 1/2	81.0 OD 22.0 ID	2.441	62.0	61DA	1.00	83	D200DA61/Orange
XF1-32	2	85.0 OD 29.0 ID	3.173	80.6	78DA	2.60	55	D200DA78/Brown

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

[‡]Crimp Diameter Valid for Hose Marked Until End 2016

[†]Crimp Diameter Valid for Hose Marked From 2017

[#]Crimp Diameter Valid for Hose Marked Until End 2018

^{**}Crimp Diameter Valid for Hose Marked From 2019

ABTP5K - ALFABIOTECH 5500 PLUS TWO-PIECE A INSERT + AS4 EXTERNAL SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AS4-12	3/4	33.0 OD	1.299	33.0	31	2.00	83	KD/D100/200-31/Yellow

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABTP5K - ALFABIOTECH 5500 PLUS TWO-PIECE INTERLOCK X INSERT + XF2 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
XF2-12	3/4	52.0 OD 15.0 ID	1.323	33.6	31	2.60	78	KD/D100/200-31/Yellow
XF2-16	1	65.0 OD 17.0 ID	1.654	42.0	41	1.00	91	KD/D100/200-41/Silver

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABT6K - ALFABIOTECH 6000/R15 TWO-PIECE A INSERT + AS4 EXTERNAL SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AS4-04	1/4	19.0 OD	0.720	18.3	16	2.30	80	KD/D100/200-16/Orange
AS4-06	3/8	19.0 OD	0.866	22.0	20	2.00	83	KD/D100/200-20/Green
AS4-08	1/2	25.0 OD	1.035	26.3	23	3.30	72	KD/D100/200-23/Purple

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABT6K - ALFABIOTECH 6000/R15 TWO-PIECE INTERLOCK X INSERT + XF1 or XF2 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
XF1-10	5/8	50.0 OD 15.0 ID	1.248	31.7	31	0.70	94	KD/D100/200-31/Yellow
XF2-12	3/4	52.0 OD 15.0 ID	1.339	34.0	31	3.00	74	KD/D100/200-31/Yellow
XF2-16	1	65.0 OD 17.0 ID	1.642	41.7	41	0.70	94	KD/D100/200-41/Silver
XF1-20	1 1/4	74.0 OD 21.5 ID	2.189	55.6	55DA	0.60	90	D200DA55/Blue
XF1-24	1 1/2	81.0 OD 22.0 ID	2.488	63.2	62DA	1.20	79	D200DA62/Black

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

ABT6K - ALFABIOTECH 6000/R15 TWO-PIECE INTERLOCK Z INSERT + ZF1 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	WIRE ID/OD (mm)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
ZF1-32	2	56.6 ID 68.1 OD	26.0 ID 87.0 OD	2.984	75.8	74	1.80

**** Caution! Production crimper with 340+ tons of crimp force required for this ferrule! Call KOA for information and instruction!**

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

WB10 - WATERBLAST 10K TWO-PIECE A INSERT + EXTERNAL SKIVE AS4 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	WIRE OD (mm)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
AS4-06	3/8	17.5 OD	19.0 OD	0.866	22.0	21	1.00

WB10 - WATERBLAST 10K TWO-PIECE INTERLOCK X INSERT + XF2 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	WIRE ID/OD (mm)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
XF2-08	1/2	20.4 OD 16.4 ID	45.0 OD 13.0 ID	1.083	27.5	27	0.50
XF2-12	3/4	28.4 OD 22.8 ID	52.0 OD 15.0 ID	1.339	34.0	33	1.00
XF2-16	1	35.2 OD 29.7 ID	65.0 OD 17.0 ID	1.650	41.9	41	0.90

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

WB15 - WATERBLAST 15K TWO-PIECE INTERLOCK W INSERT + WF9 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	WIRE ID/OD (mm)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
WF9-08	1/2		35.0 OD 13.0 ID	1.110	28.2	27	1.20
WF9-12	3/4		42.0 OD 14.0 ID	1.390	35.3	34	1.30

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

TAJ3BK/BU - ALFAJET 210 and KK4BK/BU K-KLEEN 4000 PRESSURE WASHER TWO-PIECE A INSERT + AF1 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-04	1/4	0.650	16.5	16	0.50	96	KD/D100/200-16/Orange
AF1-05	5/16	0.713	18.1	16	2.10	82	KD/D100/200-16/Orange
AF1-06	3/8	0.803	20.4	19	1.40	88	KD/D100/200-19/Black
AF1-08	1/2	0.941	23.9	23	0.90	92	KD/D100/200-23/Purple

TAJ5BK, TAJ5BU - ALFAJET 400 PRESSURE WASHER TWO-PIECE A INSERT + AF1 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AF1-04	1/4	0.685	17.4	16	1.40	88	KD/D100/200-16/Orange
AF1-05	5/16	0.752	19.1	19	0.10	99	KD/D100/200-19/Black
AF1-06	3/8	0.835	21.2	19	2.20	81	KD/D100/200-19/Black
AF1-08	1/2	0.976	24.8	23	1.80	85	KD/D100/200-23/Purple

TR14TB - R14 PTFE TRUE BORE TUBE/STAINLESS BRAID TWO-PIECE A INSERT + AFT FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AFT-03	3/16	0.441	11.2	10	1.20	90	KD/D100/200-10/Green
AFT-04	1/4	0.496	12.6	12	0.60	95	KD/D100/200-12/Purple
AFT-05	5/16	0.598	15.2	14	1.20	90	KD/D100/200-14/Yellow
AFT-06	3/8	0.720	18.3	16	2.30	80	KD/D100/200-16/Orange
AFT-08	1/2	0.819	20.8	19	1.80	85	KD/D100/200-19/Black
AFT-10	5/8	0.949	24.1	23	1.10	91	KD/D100/200-23/Purple
AFT-12	3/4	1.091	27.7	27	0.70	94	KD/D100/200-27/Brown
AFT-16	1	1.370	34.8	34	0.80	93	KD/D100/200-34/Red

TR14TC - PTFE CONVOLUTED TRUE BORE TUBE/STAINLESS BRAID TWO-PIECE A INSERT + AFT FERRULE

FERRULE PART NUMBER	SIZE ID (in)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AFT-06	3/8	0.720	18.3	16	2.30	80	KD/D100/200-16/Orange
AFT-08	1/2	0.819	20.8	19	1.80	85	KD/D100/200-19/Black
AFT-10	5/8	0.949	24.1	23	1.10	91	KD/D100/200-23/Purple
AFT-12	3/4	1.091	27.7	27	0.70	94	KD/D100/200-27/Brown
AFT-16	1	1.370	34.8	34	0.80	93	KD/D100/200-34/Red
AFT-20	1 1/4	1.654	42.0	41	1.00	91	KD/D100/200-41/Silver
AFT-24	1 1/2	1.894	48.1	48	0.10	99	KD/D100/200-48/Green
AFT-32	2	2.402	61.0	58	3.00	48	KD200DA-58/Red

FLEXOR RIG TWO-PIECE INTERLOCK X INSERT + XF1 or XF2 FERRULE								
FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
XF2-16	1	65.0 OD 17.0 ID	1.657	42.1	41	1.10	91	D200-41/Silver
XF2-20†	1 1/4	74.0 OD 22.0 ID	1.957	49.7	48DA	1.70	71	D200DA48/Green
XF1-20‡	1 1/4	74.0 OD 21.5 ID	2.197	55.8	55DA	0.80	86	D200DA55/Blue
XF1-24†	1 1/2	81.0 OD 22.0 ID	2.488	63.2	62DA	1.20	79	D200DA62/Black
XF1-24‡	1 1/2	81.0 OD 22.0 ID	2.504	63.6	62DA	1.60	72	D200DA62/Black
XF1-32	2	85.0 OD 29.0 ID	3.189	81.0	78DA	3.00	48	D200DA78/Brown

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KCEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

† Crimp Dimensions Used for Hose Produced After 05/2016;

‡ Crimp Dimensions Used for Hose Produced Before 05/2016

ABT2K - FLEXOR RIG 3200 "NEW" STYLE 4 WIRE SPIRAL HOSE CONSTRUCTION TWO-PIECE SKIVE V INSERT + VS4 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
XF1	2 1/2	90.0 OD 33.0 ID	3.472	88.2	86	2.2
VS4-48	3	80.0 OD ONLY	3.740	95.0	92	3.0

AT10KOC - OILWELL CEMENTING 10,000 PSI TWO-PIECE INTERLOCK Z INSERT + ZF1 FERRULE

FERRULE PART NUMBER	SIZE ID (in)	WIRE ID/OD (mm)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX
ZF1-32	2	57.8 ID 68.3 OD	26.0 ID 87.0 OD	3.008	76.4	74	2.40

****Caution! Production crimper with 340+ tons of crimp force required for this ferrule! Call KOA for information and instruction!**

ATTENTION: ALL INTERLOCK FITTINGS REQUIRE INTERNAL AND EXTERNAL SKIVING FOR PROPER ASSEMBLY.

Note: Skive tooling requires either a KGEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

AF3B - ALFAFOREST 3 BRAID AND DH3SPT DUNLOP HIFLEX 3 BRAID TWO-PIECE A INSERT + AS4 EXTERNAL SKIVE FERRULE

FERRULE PART NUMBER	SIZE ID (in)	SKIVE LENGTH (mm)	CRIMP DIAMETER (in)	CRIMP DIAMETER (mm) ± 0.1 mm	DIE & COLOR	METRIC MICROMETER APPROX	KD100/200 STANDARD MICROMETER APPROX	KD100/200 SERIES DIE SELECTION
AS4-06	3/8	19.0 OD	0.862	21.9	19	2.90	75	KD/D100/200-19/BLACK

Note: Skive tooling requires either a KGEST-2E-230/1 electric or KCMST-1 manual skive machine to properly function with the quick change skive tooling

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**CONTACT OUR SALES/WAREHOUSE LOCATIONS
BELOW WHICH SERVE YOUR AREA**

SOUTHWEST WAREHOUSE
KURIYAMA OF AMERICA, INC.
HOUSTON
200 PORTWALL STREET, SUITE 100
HOUSTON, TX 77029
Phone: (713) 674-8212
Toll Free Phone: (800) 501-6808
FAX: (713) 674-5214
Toll Free FAX: (800) 800-5214

WESTERN WAREHOUSE
KURIYAMA OF AMERICA, INC.
SANTA FE SPRINGS
10749 SHOEMAKER AVENUE
SANTA FE SPRINGS, CA 90670-4039
Phone: (562) 941-4507
FAX: (562) 941-8940
Toll-Free FAX: (800) 326-8940

SOUTHEAST WAREHOUSE
FORTNEY SALES CO., INC.
4221 CANTRELL ROAD NW
ACWORTH, GA 30101
Phone: (770) 427-6528
FAX: (770) 423-9249
Toll Free FAX: (800) 423-9249
Web Site: www.fortneysales.com
E-Mail: sales@fortneysales.com

EASTERN WAREHOUSE
EASTERN RUBBER & PLASTICS CO., INC.
100 GOLDMAN DR.
PLUMSTED INDUSTRIAL PARK
CREAM RIDGE, NJ 08514
Phone: (609) 758-0100
FAX: (609) 758-0102
Toll Free FAX: (800) 445-7138
Web Site: www.easternrubber.com
E-Mail: sales@easternrubber.com

IN MEXICO:

KURIYAMA DE MÉXICO S DE RL DE CV
AV JOSE PALOMO MARTINEZ NO 520-20
BODEGA 5
PARQUE INDUSTRIAL OMOLAP
APODACA, N.L. CP:66633, MEXICO
Telefonos: (81) 1086-1870 ó 71
Lada sin Costo: 01-800-822-52-00
FAX: (81) 1086-1869
Internet: www.kuriyama.com.mx
www.kuriyama.com
Correo Electronico: ventas@kuriyama.com



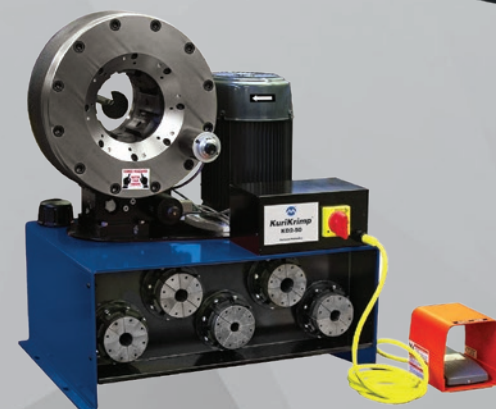
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OF AMERICA, INC.

HEADQUARTERS, SALES OFFICE AND WAREHOUSE

360 E. State Parkway, Schaumburg, IL 60173-5335
Phone: (847) 755-0360 • Toll-free Fax: (800) 800-0320
International Fax: (847) 885-0996

kuriyama.com sales@kuriyama.com

