

# Interlocking Style Crimp Cam and Groove Fittings



*The Right Connection™*

**Features:**

- Offers a 360° interlocking design
- Turnover edge is precut for easy ferrule removal
- Streamline and safe final assembly

**Connection:**

- Male adapter
- Female coupler

**Coupling Material:**

- Aluminum

**Ferrule Material:**

- Plated carbon steel

## Type E Cam and Groove Male Adapter with Interlocking Style Shank

**356T6 Aluminum**



Size	Part #	List Price
1½"	<b>150-E-AL</b>	<b>\$14.00</b>
2"	<b>200-E-AL</b>	<b>17.30</b>
3"	<b>300-E-AL</b>	<b>30.20</b>
4"	<b>400-E-AL</b>	<b>61.00</b>

## Type C Cam and Groove Female Coupler with Interlocking Style Shank

**356T6 Aluminum**



Size	Part #	List Price
1½"	<b>150-C-AL</b>	<b>\$25.45</b>
2"	<b>200-C-AL</b>	<b>29.45</b>
3"	<b>300-C-AL</b>	<b>45.75</b>
4"	<b>400-C-AL</b>	<b>65.10</b>

## Ferrules Zinc Plated Carbon Steel



Size	Part #	List Price
1½"	<b>CF150- *</b>	<b>\$11.75</b>
2"	<b>CF200- *</b>	<b>14.65</b>
3"	<b>CF300- *</b>	<b>20.75</b>
4"	<b>CF400- *</b>	<b>27.80</b>

\*The part number suffix determines different ferrule sizes based on hose O.D. range. For available ferrule sizes refer to the Crimp Recommendation chart on pages 3-5.

**HOSE COUPLING SAFETY**

- Use Dixon couplings, retention devices and accessory products **only** for their intended service.
- All recommendations of the Hose Manufacturer, and the Coupling Manufacturer, must be employed with regards to **Size, Temperature, Application, Media,** and **Pressure** when selecting the components for a hose assembly.

- All finished hose assemblies should be tested in accordance with the Rubber Manufacturers Association recommendations.

- All hose assemblies should be thoroughly inspected prior to each use to ensure they are undamaged, and properly coupled.

- Use safety clips on couplings, and King Safety Cables on assemblies where required by the manufacturer, as well as State and Federal regulations. (OSHA regulations may be viewed in full on the OSHA website, [www.osha.gov](http://www.osha.gov).)

- Under no circumstances should the assembly working pressure or working temperature exceed the working pressure or working temperature of the lowest rated component (coupling, clamp, ferrule, or hose).

- Call Dixon (800.355.1991) for advice on couplings, retention devices, and accessories for your application.



## 1½" Interlocking Style Cam and Groove Crimp Recommendations

Hose I.D.	Ferrule Part #	Hose O.D.		Crimp Diameter (±0.005)	% Reduction	Crimp Die #	Offset	
		Fractional	Decimal					
1½"	<b>CF150-1</b>	1-49/64	1.766	1.845	20%	45	0.072	
		1-50/64	1.781	1.857	20%	45	0.085	
		1-51/64	1.797	1.870	20%	45	0.097	
		1-52/64	1.813	1.882	20%	45	0.110	
	<b>CF150-2</b>	1-53/64	1.828	1.895	1.895	20%	45	0.123
		1-54/64	1.844	1.907	1.907	20%	45	0.135
		1-55/64	1.859	1.920	1.920	20%	45	0.148
		1-56/64	1.875	1.932	1.932	20%	45	0.160
	<b>CF150-3</b>	1-57/64	1.891	1.945	1.945	20%	45	0.173
		1-58/64	1.906	1.957	1.957	20%	45	0.185
		1-59/64	1.922	1.970	1.970	20%	45	0.198
		1-60/64	1.938	1.982	1.982	20%	45	0.210
	<b>CF150-4</b>	1-61/64	1.953	1.995	1.995	20%	45	0.223
		1-62/64	1.969	2.007	2.007	20%	45	0.235
		1-63/64	1.984	2.020	2.020	20%	51	0.011
		2	2.000	2.032	2.032	20%	51	0.024
	<b>CF150-5</b>	2-1/64	2.016	2.045	2.045	20%	51	0.036
		2-2/64	2.031	2.057	2.057	20%	51	0.049
		2-3/64	2.047	2.070	2.070	20%	51	0.061
		2-4/64	2.063	2.082	2.082	20%	51	0.074
	<b>CF150-6</b>	2-5/64	2.078	2.095	2.095	20%	51	0.087
		2-6/64	2.094	2.107	2.107	20%	51	0.099
		2-7/64	2.109	2.120	2.120	20%	51	0.112
		2-8/64	2.125	2.132	2.132	20%	51	0.124
	<b>CF150-7</b>	2-9/64	2.141	2.145	2.145	20%	51	0.137
		2-10/64	2.156	2.157	2.157	20%	51	0.149
		2-11/64	2.172	2.170	2.170	20%	51	0.162
		2-12/64	2.188	2.182	2.182	20%	51	0.174
	<b>CF150-8</b>	2-13/64	2.203	2.195	2.195	20%	51	0.187
		2-14/64	2.219	2.207	2.207	20%	51	0.199
		2-15/64	2.234	2.220	2.220	20%	51	0.212
		2-16/64	2.250	2.232	2.232	20%	51	0.224
	<b>CF150-9</b>	2-17/64	2.266	2.245	2.245	20%	57	0.000
		2-18/64	2.281	2.257	2.257	20%	57	0.013
		2-19/64	2.297	2.270	2.270	20%	57	0.025
		2-20/64	2.313	2.282	2.282	20%	57	0.038
	<b>CF150-10</b>	2-21/64	2.328	2.295	2.295	20%	57	0.050
		2-22/64	2.344	2.307	2.307	20%	57	0.063
		2-23/64	2.359	2.320	2.320	20%	57	0.075
		2-24/64	2.375	2.332	2.332	20%	57	0.088

## 2" Interlocking Style Cam and Groove Crimp Recommendations

Hose I.D.	Ferrule Part #	Hose O.D.		Crimp Diameter (±0.005)	% Reduction	Crimp Die #	Offset	
		Fractional	Decimal					
2"	<b>CF200-1</b>	2-21/64	2.328	2.388	20%	57	0.144	
		2-22/64	2.344	2.400	2.400	20%	57	0.156
		2-23/64	2.359	2.413	2.413	20%	57	0.169
		2-24/64	2.375	2.425	2.425	20%	57	0.181
	<b>CF200-2</b>	2-25/64	2.391	2.438	2.438	20%	57	0.194
		2-26/64	2.406	2.450	2.450	20%	57	0.206
		2-27/64	2.422	2.463	2.463	20%	57	0.219
		2-28/64	2.438	2.475	2.475	20%	57	0.231
	<b>CF200-3</b>	2-29/64	2.453	2.488	2.488	20%	63	0.007
		2-30/64	2.469	2.500	2.500	20%	63	0.020
		2-31/64	2.484	2.513	2.513	20%	63	0.033
		2-32/64	2.500	2.525	2.525	20%	63	0.045
	<b>CF200-4</b>	2-33/64	2.516	2.538	2.538	20%	63	0.058
		2-34/64	2.531	2.550	2.550	20%	63	0.070
		2-35/64	2.547	2.563	2.563	20%	63	0.083
		2-36/64	2.563	2.575	2.575	20%	63	0.095
	<b>CF200-5</b>	2-37/64	2.578	2.588	2.588	20%	63	0.108
		2-38/64	2.594	2.600	2.600	20%	63	0.120
		2-39/64	2.609	2.613	2.613	20%	63	0.133
		2-40/64	2.625	2.625	2.625	20%	63	0.145

## 2" Interlocking Style Cam and Groove Crimp Recommendations

Hose I.D.	Ferrule Part #	Hose O.D.		Crimp Diameter (±0.005)	% Reduction	Crimp Die #	Offset	
		Fractional	Decimal					
2"	CF200-6	2-41/64	2.641	2.638	20%	63	0.158	
		2-42/64	2.656	2.650	20%	63	0.170	
		2-43/64	2.672	2.663	20%	63	0.183	
		2-44/64	2.688	2.675	20%	63	0.195	
	CF200-7	2-45/64	2.703	2.688	2.688	20%	63	0.208
		2-46/64	2.719	2.700	2.700	20%	63	0.220
		2-47/64	2.734	2.713	2.713	20%	63	0.233
		2-48/64	2.750	2.725	2.725	20%	69	0.008
	CF200-8	2-49/64	2.766	2.738	2.738	20%	69	0.020
		2-50/64	2.781	2.750	2.750	20%	69	0.033
		2-51/64	2.797	2.763	2.763	20%	69	0.046
		2-52/64	2.813	2.775	2.775	20%	69	0.058
	CF200-9	2-53/64	2.828	2.788	2.788	20%	69	0.071
		2-54/64	2.844	2.800	2.800	20%	69	0.083
		2-55/64	2.859	2.813	2.813	20%	69	0.095
		2-56/64	2.875	2.825	2.825	20%	69	0.108
	CF200-10	2-57/64	2.891	2.838	2.838	20%	69	0.121
		2-58/64	2.906	2.850	2.850	20%	69	0.133
		2-59/64	2.922	2.863	2.863	20%	69	0.146
		2-60/64	2.938	2.875	2.875	20%	69	0.158

## 3" Interlocking Style Cam and Groove Crimp Recommendations

Hose I.D.	Ferrule Part #	Hose O.D.		Crimp Diameter (±0.005)	% Reduction	Crimp Die #	Offset	
		Fractional	Decimal					
3"	CF300-1	3-23/64	3.359	3.553	20%	90	0.010	
		3-24/64	3.375	3.565	20%	90	0.022	
		3-25/64	3.391	3.578	20%	90	0.035	
		3-26/64	3.406	3.590	20%	90	0.047	
	CF300-2	3-27/64	3.422	3.603	3.603	20%	90	0.059
		3-28/64	3.438	3.615	3.615	20%	90	0.072
		3-29/64	3.453	3.628	3.628	20%	90	0.084
		3-30/64	3.469	3.640	3.640	20%	90	0.097
	CF300-3	3-31/64	3.484	3.653	3.653	20%	90	0.110
		3-32/64	3.500	3.665	3.665	20%	90	0.122
		3-33/64	3.516	3.678	3.678	20%	90	0.135
		3-34/64	3.531	3.690	3.690	20%	90	0.147
	CF300-4	3-35/64	3.547	3.703	3.703	20%	90	0.160
		3-36/64	3.563	3.715	3.715	20%	90	0.172
		3-37/64	3.578	3.728	3.728	20%	90	0.185
		3-38/64	3.594	3.740	3.740	20%	90	0.197
	CF300-5	3-39/64	3.609	3.753	3.753	20%	90	0.210
		3-40/64	3.625	3.765	3.765	20%	90	0.222
		3-41/64	3.641	3.778	3.778	20%	90	0.235
		3-42/64	3.656	3.790	3.790	20%	96	0.010
	CF300-6	3-43/64	3.672	3.803	3.803	20%	96	0.023
		3-44/64	3.688	3.815	3.815	20%	96	0.035
		3-45/64	3.703	3.828	3.828	20%	96	0.048
		3-46/64	3.719	3.840	3.840	20%	96	0.060
	CF300-7	3-47/64	3.734	3.853	3.853	20%	96	0.073
		3-48/64	3.750	3.865	3.865	20%	96	0.085
		3-49/64	3.766	3.878	3.878	20%	96	0.098
		3-50/64	3.781	3.890	3.890	20%	96	0.110
	CF300-8	3-51/64	3.797	3.903	3.903	20%	96	0.123
		3-52/64	3.813	3.915	3.915	20%	96	0.135
		3-53/64	3.828	3.928	3.928	20%	96	0.148
		3-54/64	3.844	3.940	3.940	20%	96	0.160
	CF300-9	3-55/64	3.859	3.953	3.953	20%	96	0.173
		3-56/64	3.875	3.965	3.965	20%	96	0.185
		3-57/64	3.891	3.978	3.978	20%	96	0.198
		3-58/64	3.906	3.990	3.990	20%	96	0.210
	CF300-10	3-59/64	3.922	4.003	4.003	20%	96	0.223
		3-60/64	3.938	4.015	4.015	20%	96	0.235
		3-61/64	3.953	4.028	4.028	20%	102	0.011
		3-62/64	3.969	4.040	4.040	20%	102	0.024

## 4" Interlocking Style Cam and Groove Crimp Recommendations

Hose I.D.	Ferrule Part #	Hose O.D.		Crimp Diameter (±0.005)	% Reduction	Crimp Die #	Offset	
		Fractional	Decimal					
4"	CF400-1	4-23/64	4.359	4.553	20%	114	0.064	
		4-24/64	4.375	4.565	20%	114	0.077	
		4-25/64	4.391	4.578	20%	114	0.089	
		4-26/64	4.406	4.590	20%	114	0.102	
	CF400-2	4-27/64	4.422	4.603	4.603	20%	114	0.115
		4-28/64	4.438	4.615	4.615	20%	114	0.127
		4-29/64	4.453	4.628	4.628	20%	114	0.139
		4-30/64	4.469	4.640	4.640	20%	114	0.152
	CF400-3	4-31/64	4.484	4.653	4.653	20%	114	0.164
		4-32/64	4.500	4.665	4.665	20%	114	0.177
		4-33/64	4.516	4.678	4.678	20%	114	0.189
		4-34/64	4.531	4.690	4.690	20%	114	0.202
	CF400-4	4-35/64	4.547	4.703	4.703	20%	114	0.214
		4-36/64	4.563	4.715	4.715	20%	114	0.227
		4-37/64	4.578	4.728	4.728	20%	120	0.003
		4-38/64	4.594	4.740	4.740	20%	120	0.016
	CF400-5	4-39/64	4.609	4.753	4.753	20%	120	0.028
		4-40/64	4.625	4.765	4.765	20%	120	0.041
		4-41/64	4.641	4.778	4.778	20%	120	0.053
		4-42/64	4.656	4.790	4.790	20%	120	0.066
	CF400-6	4-43/64	4.672	4.803	4.803	20%	120	0.078
		4-44/64	4.688	4.815	4.815	20%	120	0.091
		4-45/64	4.703	4.828	4.828	20%	120	0.103
		4-46/64	4.719	4.840	4.840	20%	120	0.116
	CF400-7	4-47/64	4.734	4.853	4.853	20%	120	0.129
		4-48/64	4.750	4.865	4.865	20%	120	0.141
		4-49/64	4.766	4.878	4.878	20%	120	0.153
		4-50/64	4.781	4.890	4.890	20%	120	0.166
	CF400-8	4-51/64	4.797	4.903	4.903	20%	120	0.179
		4-52/64	4.813	4.915	4.915	20%	120	0.191
		4-53/64	4.828	4.928	4.928	20%	120	0.203
		4-54/64	4.844	4.940	4.940	20%	120	0.216
	CF400-9	4-55/64	4.859	4.953	4.953	20%	120	0.228
		4-56/64	4.875	4.965	4.965	20%	126	0.004
		4-57/64	4.891	4.978	4.978	20%	126	0.016
		4-58/64	4.906	4.990	4.990	20%	126	0.029
	CF400-10	4-59/64	4.922	5.003	5.003	20%	126	0.041
		4-60/64	4.938	5.015	5.015	20%	126	0.054
		4-61/64	4.953	5.028	5.028	20%	126	0.066
		4-62/64	4.969	5.040	5.040	20%	126	0.079

*The crimp die #'s and offset dimensions are for use with Dixon's Holedall Crimp System (CM400) only.*



Visit [www.dixonvalve.com](http://www.dixonvalve.com) for information on the CM400 or to download a copy of the Holedall Crimp System flyer.

Through its divisions and affiliated companies, Dixon is recognized as the premier manufacturer and supplier of hose fittings and accessories spanning a wide range of industrial uses. Dixon's reach includes products for fire protection, food, dairy processing, beverage and brewery, mobile tankers, mining, construction, chemical processing, petroleum, oilfields, refining, nuclear and manufacturing.



*The Right Connection™*

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