

Dixon Crimp Fittings



The Right Connection™

Grooved Style External Crimp Ferrules for Cam and Groove



Features:

- Designed to be used on Dixon grooved hose shanks
- Turnover edge is precut for easy ferrule removal
- Streamlined and safe final assembly
- For crimp specifications please refer to the appropriate Dixon Die/Crimp Chart

Accommodates Hose I.D. Sizes:

- 1½" and 2" features .063" ferrule wall thickness
- 3" and 4" features .125" ferrule wall thickness

Configurations:

- male adapter x hose shank
- female coupler x hose shank (pictured)

Coupling Material:

- aluminum

Ferrule Material:

- carbon steel

Notched Style External Crimp Ferrules for Cam and Groove



Features:

- For crimp specifications please refer to the appropriate Dixon Die/Crimp Chart

Accommodates Hose I.D. Sizes:

- 1½", 2", 3", 4"

Configurations:

- male adapter x notched standard shank (NO)
- female coupler x notched standard shank (NO)
- male adapter x notched short shank (NOS)
- female coupler x notched short shank (NOS)

Coupling Material:

- stainless steel

Ferrule Material:

- stainless steel

3500 Steel Nipples



Features:

- a low profile and streamlined appearance
- working pressure: 600 PSI
- For air and water service only

Accommodates Hose I.D. Sizes:

- ½", ¾", 1"

Configurations:

- male NPT x hose shank

Coupling Material:

- zinc plated steel

Ferrule Material:

- carbon steel

Dixon Air King Couplings

Features:

- working pressure: 150 PSI
- For air and water service only

Accommodates Hose I.D. Sizes:

- ½", ¾", 1"

Configurations:

- universal head x hose shank

Coupling Material:

- iron, stainless steel

Ferrule Material:

- plated steel



Surelock Quick Acting Couplings

Features:

- working pressure: 500 PSI
- For air and water service only

Accommodates Hose I.D. Sizes:

- ½", ¾", 1", 1½", 2"

Configurations:

- surelock head x hose shank

Coupling Material:

- iron

Ferrule Material:

- plated steel



Dix-Lock Quick Acting Couplings

Features:

- working pressure: 300 PSI

Accommodates Hose I.D. Sizes:

- ½" and ¾"

Configurations:

- female head x hose shank
- male head x hose shank
- male locking head x hose shank

Coupling Material:

- plated steel, brass, stainless steel

Ferrule Material:

- plated steel



Dual-Lock Quick Acting Couplings

Features:

- working pressure: 300 PSI

Accommodates Hose I.D. Sizes:

- ½" and ¾"

Configurations:

- locking head x hose shank

Coupling Material:

- yellow zinc coated steel

Ferrule Material:

- plated steel



Light Duty Ferrules



Features:

- light-weight and medium-weight ferrules for air
- medium-weight ferrules for fluids

Ferrule I.D. sizes available:

- 0.478" - 1.500"

Ferrule Material:

- brass, stainless steel

Light Duty Crimping Equipment



work bench style

*manually operated
tools pictured*



portable style

Features:

- crimps light-weight and medium-weight ferrules to hose and tubing
- crimping dies sold separately

Accommodates Hose I.D. Sizes:

- ¼", ½", ¾", 1"

Configurations:

- manually operated portable tools
- manually operated tool for work bench installation
- air operated tool for work bench installation

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.)
- 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.

The charts supplied are only a guide. They will not apply to every coupling situation. In some instances alternative dies and crimping dimensions must be employed to ensure safety. Experience has shown that variances in the construction of similar hoses and couplings may cause some assemblies to react differently when crimped. It is not uncommon to find hose with an outer diameter that fluctuates from one end to the other or from production lot to production lot. These inconsistencies coupled with the inherent differences between textile or wire braid, hard or soft wall, the presence or absence of an internal spiral wire and the differences in hose coverings make it difficult to establish hard and fast rules. Therefore, its imperative that hose dimensions are accurately measured, assemblies are tested, and documentation is maintained.

Crimped Dix-Lock and Dual-Lock

Hose I.D.	Part #	Hose O.D.		Crimp Diameter (±0.005)	Crimp Length		% Reduction
		Fractional	Decimal		QM/QB	PHL	
1/2"	QM3WF	54/64	0.844	0.925	1-1/8	1-1/4	18.9
	QB3WF	55/64	0.859	0.940	1-1/8	1-1/4	18.1
	QM22WF	56/64	0.875	0.950	1-1/8	1-1/4	18.9
	QB22WF	57/64	0.891	0.965	1-1/8	1-1/4	18.4
	QM33WF	58/64	0.906	0.975	1-1/8	1-1/4	19.0
	QB33WF	59/64	0.922	0.990	1-1/8	1-1/4	18.5
		60/64	0.938	1.005	1-1/8	1-1/4	18.0
		61/64	0.953	1.015	1-1/8	1-1/4	18.5
	PHL8WF	62/64	0.969	1.030	1-1/8	1-1/4	18.1
		63/64	0.984	1.040	1-1/8	1-1/4	18.6
		1	1.000	1.055	1-1/8	1-1/4	18.2
		1-1/64	1.016	1.065	1-1/8	1-1/4	18.8
		1-2/64	1.031	1.080	1-1/8	1-1/4	18.3
3/4"	QM4WF	1-10/64	1.156	1.220	1-1/4		18.5
	QB4WF	1-11/64	1.171	1.235	1-1/4		18.0
	QM23WF	1-12/64	1.187	1.244	1-1/4		18.7
	QB23WF	1-13/64	1.203	1.260	1-1/4		18.1
		1-14/64	1.218	1.270	1-1/4		18.8
	QM44WF	1-15/64	1.234	1.285	1-1/4		18.2
	QB44WF	1-16/64	1.250	1.295	1-1/4		18.8
		1-17/64	1.265	1.310	1-1/4		18.4
	PHL12WF	1-18/64	1.281	1.320	1-1/4		18.8
		1-19/64	1.296	1.335	1-1/4		18.5
		1-20/64	1.312	1.345	1-1/4		19.0
		1-21/64	1.328	1.360	1-1/4		18.5
		1-22/64	1.343	1.370	1-1/4		19.0

Crimped 3500 Nipples

Hose I.D.	Part #	Hose O.D.		Crimp Diameter (±0.005)	Crimp Length	% Reduction
		Fractional	Decimal			
1/2"	3512WF	54/64	0.844	0.906	1-1/4	21.1
		55/64	0.859	0.906	1-1/4	24.5
		56/64	0.875	0.938	1-1/4	19.3
		57/64	0.891	0.938	1-1/4	22.6
		58/64	0.906	0.969	1-1/4	17.8
3/4"	3514WF	1-10/64	1.156	1.218	1-7/16	17.8
		1-11/64	1.171	1.218	1-7/16	20.7
		1-12/64	1.187	1.218	1-7/16	23.6
		1-13/64	1.203	1.250	1-7/16	19.4
		1-14/64	1.218	1.250	1-7/16	22
1"	3518WF	1-30/64	1.468	1.500	1-15/16	23
		1-31/64	1.484	1.531	1-15/16	19
		1-32/64	1.500	1.531	1-15/16	21.6
		1-33/64	1.515	1.563	1-15/16	17.9
		1-34/64	1.531	1.563	1-15/16	20.3

Crimped Air King Couplings

Hose I.D.	Part #	Hose O.D.		Crimp Diameter (±0.005)	Crimp Length	% Reduction	
		Fractional	Decimal				
1/2"	AM1WF	54/64	0.843	0.906	1-1/4	18.3	
		55/64	0.859	0.937	1-1/4	13.2	
		56/64	0.875	0.937	1-1/4	16.9	
		57/64	0.890	0.968	1-1/4	12.1	
		58/64	0.906	0.968	1-1/4	15.5	
		59/64	0.921	1.000	1-1/4	11.1	
		60/64	0.937	1.000	1-1/4	14.4	
		61/64	0.953	1.000	1-1/4	17.2	
		62/64	0.968	1.031	1-1/4	13.4	
		63/64	0.984	1.031	1-1/4	16.1	
		1	1.000	1.062	1-1/4	12.7	
		1-1/64	1.015	1.062	1-1/4	15.3	
		1-2/64	1.031	1.093	1-1/4	12.0	
		3/4"	AM6WF RAM6WF	1-4/64	1.062	1.156	1-1/4
1-5/64	1.078			1.156	1-1/4	17.3	
1-6/64	1.093			1.187	1-1/4	11.9	
1-7/64	1.109			1.187	1-1/4	15.8	
1-8/64	1.125			1.218	1-1/4	11.2	
1-9/64	1.140			1.218	1-1/4	14.6	
1-10/64	1.156			1.218	1-1/4	17.5	
1-11/64	1.171			1.250	1-1/4	13.0	
1-12/64	1.187			1.250	1-1/4	16.2	
1-13/64	1.203			1.281	1-1/4	12.3	
1-14/64	1.218			1.281	1-1/4	15.1	
1-15/64	1.234			1.312	1-1/4	11.5	
1-16/64	1.250			1.312	1-1/4	14.4	
1-17/64	1.265			1.312	1-1/4	16.9	
1-18/64	1.281			1.343	1-1/4	13.5	
1-19/64	1.296			1.343	1-1/4	15.9	
1-20/64	1.312			1.375	1-1/4	12.6	
1-21/64	1.328			1.375	1-1/4	15.0	
1-22/64	1.343			1.406	1-1/4	12.1	
1"	AM11WF-1			1-18/64	1.281	1.375	1-1/2
		1-19/64	1.296	1.375	1-1/2	20.5	
		1-20/64	1.312	1.406	1-1/2	15.0	
		1-21/64	1.328	1.406	1-1/2	18.6	
		1-22/64	1.343	1.437	1-1/2	13.7	
		1-23/64	1.359	1.437	1-1/2	17.5	
		1-24/64	1.375	1.468	1-1/2	12.8	
		1-25/64	1.390	1.468	1-1/2	16.1	
		1-26/64	1.406	1.500	1-1/2	11.5	
		1-27/64	1.421	1.500	1-1/2	14.7	
		1-28/64	1.437	1.500	1-1/2	17.6	
		1-29/64	1.453	1.531	1-1/2	13.9	
		AM11WF-1 AM11WF	1-30/64	1.468	1.531	1-1/2	16.8
			1-31/64	1.484	1.562	1-1/2	12.8
	1-32/64		1.500	1.562	1-1/2	15.4	
	1-33/64		1.515	1.593	1-1/2	12.0	
	1-34/64		1.531	1.593	1-1/2	14.7	
	AM11WF	1-35/64	1.546	1.625	1-1/2	11.1	
		1-36/64	1.562	1.625	1-1/2	13.7	
		1-37/64	1.578	1.625	1-1/2	15.9	
		1-38/64	1.593	1.656	1-1/2	12.9	
		1-39/64	1.609	1.656	1-1/2	15.1	
		1-40/64	1.625	1.687	1-1/2	12.4	
		1-41/64	1.640	1.687	1-1/2	14.5	
		1-42/64	1.656	1.718	1-1/2	11.8	
		1-43/64	1.671	1.718	1-1/2	14.0	
		1-44/64	1.687	1.750	1-1/2	11.3	
		1-45/64	1.703	1.750	1-1/2	13.3	
		1-46/64	1.718	1.750	1-1/2	15.1	

Crimped Surelock Couplings

Hose I.D.	Part #	Hose O.D.		Crimp Diameter (±0.005)	Crimp Length	% Reduction
		Fractional	Decimal			
½"	SL050CR	54/64	0.843	0.969	1-1/4	16.6
		55/64	0.859	0.969	1-1/4	20.2
		56/64	0.875	0.969	1-1/4	23.5
		57/64	0.890	1.000	1-1/4	18.6
		58/64	0.906	1.000	1-1/4	21.7
		59/64	0.921	1.031	1-1/4	17.2
		60/64	0.937	1.031	1-1/4	20.2
		61/64	0.953	1.032	1-1/4	23.0
		62/64	0.968	1.063	1-1/4	18.8
		63/64	0.984	1.063	1-1/4	21.5
		1	1.000	1.094	1-1/4	17.7
		1-1/64	1.015	1.094	1-1/4	20.2
		1-2/64	1.031	1.094	1-1/4	22.5
		¾"	SL075CR	1-4/64	1.062	1.156
1-5/64	1.078			1.156	1-1/4	22.7
1-6/64	1.093			1.188	1-1/4	17.1
1-7/64	1.109			1.188	1-1/4	20.7
1-8/64	1.125			1.188	1-1/4	24.0
1-9/64	1.140			1.219	1-1/4	19.0
1-10/64	1.156			1.219	1-1/4	22.2
1-11/64	1.171			1.250	1-1/4	17.6
1-12/64	1.187			1.250	1-1/4	20.6
1-13/64	1.203			1.250	1-1/4	23.3
1-14/64	1.218			1.281	1-1/4	19.2
1-15/64	1.234			1.281	1-1/4	21.8
1-16/64	1.250			1.313	1-1/4	18.0
1-17/64	1.265			1.313	1-1/4	20.5
1-18/64	1.281			1.313	1-1/4	22.8
1-19/64	1.296			1.344	1-1/4	19.3
1-20/64	1.312			1.344	1-1/4	21.6
1-21/64	1.328			1.375	1-1/4	18.3
1-22/64	1.343			1.375	1-1/4	20.4
1"	SL100CR	1-30/64	1.468	1.500	1-1/2	21.9
		1-31/64	1.484	1.531	1-1/2	18.0
		1-32/64	1.500	1.531	1-1/2	20.6
		1-33/64	1.515	1.531	1-1/2	23.0
		1-34/64	1.531	1.563	1-1/2	19.3
		1-35/64	1.546	1.563	1-1/2	21.7
		1-36/64	1.562	1.594	1-1/2	18.3
		1-37/64	1.578	1.594	1-1/2	20.5
		1-38/64	1.593	1.625	1-1/2	17.3
		1-39/64	1.609	1.625	1-1/2	19.4
		1-40/64	1.625	1.625	1-1/2	21.4
		1-41/64	1.640	1.656	1-1/2	18.5
		1-42/64	1.656	1.656	1-1/2	20.4
		1-43/64	1.671	1.688	1-1/2	17.6
		1-44/64	1.687	1.688	1-1/2	19.5
		1-45/64	1.703	1.688	1-1/2	21.3
		1-46/64	1.718	1.719	1-1/2	18.6
1½"	SL150CR	2-1/64	2.015	2.094	2-7/8	19.9
		2-2/64	2.031	2.094	2-7/8	22.3
		2-3/64	2.046	2.125	2-7/8	18.8
		2-4/64	2.062	2.125	2-7/8	21.1
		2-5/64	2.078	2.125	2-7/8	23.2
		2-6/64	2.093	2.156	2-7/8	20.0
		2-7/64	2.109	2.156	2-7/8	22.0
		2-8/64	2.125	2.188	2-7/8	19.0
2"	SL200CR	2-41/64	2.640	2.718	3	20.1
		2-42/64	2.656	2.750	3	17.3
		2-43/64	2.671	2.750	3	19.2
		2-44/64	2.687	2.750	3	21.0
		2-45/64	2.703	2.781	3	18.3
		2-46/64	2.718	2.781	3	20.1
		2-47/64	2.734	2.813	3	17.6
		2-48/64	2.750	2.813	3	19.3

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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