

Hose Series	Hose Type	Hose Size	Coupling Series	Coupling Type	Crimp Diameter (mm)	Crimp Diameter (inch)	Crimp Position	Die	Approx. Scale Setting	Revision Date
4308-0025	Multipurpose 500 PSI	1/4"	12XX-04	1-piece	18.6	0.732	Full	16	2.6	12/20/2024
4308-0038	Multipurpose 500 PSI	3/8"	12XX-06	1-piece	22.4	0.882	Full	19	3.4	12/20/2024
4308-0050	Multipurpose 500 PSI	1/2"	12XX-08	1-piece	26.2	1.031	Full	23	3.2	12/20/2024
4308-0062	Multipurpose 500 PSI	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	1.2	12/20/2024
4308-0075	Multipurpose 500 PSI	3/4"	12XX-12	1-piece	34.1	1.343	Full	31	3.1	12/20/2024
4308-0100	Multipurpose 500 PSI	1"	12XX-16	1-piece	41.2	1.622	Full	39	2.2	12/20/2024
4308-0125	Multipurpose 500 PSI	1-1/4"	12XX-20	1-piece	50.5	1.988	Full	50	0.5	12/20/2024
4806-0075	Wire Braid Air	3/4"	12XX-12	1-piece	34.3	1.350	Full	31	3.3	12/20/2024
4806-0100	Wire Braid Air	1"	12XX-16	1-piece	43.4	1.709	Full	39	4.4	12/20/2024
4806-0150	Wire Braid Air	1-1/2"	12XX-24	1-piece	58.3	2.295	Full	57	1.3	12/20/2024
4806-0200	Wire Braid Air	2"	12XX-32	1-piece	70.4	2.772	Full	69	1.4	12/20/2024
4816-0050	Steam	1/2"	12XX-08	1-piece	25.9	1.020	Full	23	2.9	12/20/2024
4816-0075	Steam	3/4"	12XX-12	1-piece	32.5	1.280	Full	31	1.5	12/20/2024
4816-0100	Steam	1"	12XX-16	1-piece	40.8	1.606	Full	39	1.8	12/20/2024
4816-0125	Steam	1-1/4"	12XX-20	1-piece	48.6	1.913	Full	45	3.6	12/20/2024
4816-0150	Steam	1-1/2"	12XX-24	1-piece	61.3	2.413	Full	57	4.3	12/20/2024
4816-0200	Steam	2"	12XX-32	1-piece	72.6	2.858	Full	69	3.6	12/20/2024
4183-0050	Wash Down	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	12/20/2024
4183-0075	Wash Down	3/4"	12XX-12	1-piece	32.6	1.283	Full	31	1.6	12/20/2024
4183-0100	Wash Down	1"	12XX-16	1-piece	41.0	1.614	Full	39	2.0	12/20/2024
4183-0125	Wash Down	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	0.3	12/20/2024
4183-0150	Wash Down	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	1.4	12/20/2024
4183-0200	Wash Down	2"	12XX-32	1-piece	69.7	2.744	Full	69	0.7	12/20/2024
5010-03	SAE 100R1	3/16"	12XX-03	1-piece	14.2	0.559	Full	12	2.2	12/20/2024
5010-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	12/20/2024
5010-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	12/20/2024
5010-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	12/20/2024
5010-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	12/20/2024
5010-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	0.2	12/20/2024
5010-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	12/20/2024
5010-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5010-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	0.3	12/20/2024
5010-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	1.4	12/20/2024
5010-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	69	0.7	12/20/2024
5011-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	12/20/2024
5011-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	12/20/2024
5011-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	12/20/2024
5011-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	12/20/2024
5011-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	12/20/2024
5011-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5012-03	SAE 100R1	3/16"	12XX-03	1-piece	14.2	0.559	Full	12	2.2	12/20/2024
5012-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	12/20/2024
5012-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	12/20/2024
5012-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	12/20/2024
5012-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	12/20/2024
5012-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	0.2	12/20/2024
5012-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	12/20/2024
5012-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5012-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	0.3	12/20/2024
5012-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	1.4	12/20/2024
5012-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	69	0.7	12/20/2024
5020-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5020-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	12/20/2024
5020-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	12/20/2024
5020-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	12/20/2024
5020-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	1.2	12/20/2024
5020-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	12/20/2024
5020-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	12/20/2024
5020-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	1.3	12/20/2024
5020-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	12/20/2024
5020-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	1.7	12/20/2024
5021-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5021-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	12/20/2024
5021-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	12/20/2024
5021-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	12/20/2024
5021-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	12/20/2024
5021-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	12/20/2024

NOTES: Crimp scale settings are approximate.

The setting required to achieve the specified crimp diameter may be different depending on many factors including calibration and condition of the crimper. Crimp diameters specified must be met to +/- 0.005" (+/- 0.12 mm) to perform correctly on the indicated hose. All crimps should be positioned in the dies to achieve a full crimp covering the complete ferrule during crimp.

The picture at right demonstrates a representative location for all dies.

**Crimp specs are valid for 90 days from revision date.**



Hose Series	Hose Type	Hose Size	Coupling Series	Coupling Type	Crimp Diameter (mm)	Crimp Diameter (inch)	Crimp Position	Die	Approx. Scale Setting	Revision Date
5022-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5022-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	12/20/2024
5022-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	12/20/2024
5022-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	12/20/2024
5022-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	1.2	12/20/2024
5022-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	12/20/2024
5022-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	12/20/2024
5022-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	1.3	12/20/2024
5022-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	12/20/2024
5022-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	1.7	12/20/2024
5040-12	SAE 100R4	3/4"	12XX-12	1-piece	33.7	1.327	Full	31	2.7	12/20/2024
5040-16	SAE 100R4	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5040-20	SAE 100R4	1-1/4"	12XX-20	1-piece	48.3	1.902	Full	45	3.3	12/20/2024
5040-24	SAE 100R4	1-1/2"	12XX-24	1-piece	57.2	2.252	Full	57	0.2	12/20/2024
5040-32	SAE 100R4	2"	12XX-32	1-piece	69.2	2.724	Full	69	0.2	12/20/2024
5100-04	Hot Air/Oil	1/4"	12XX-04	1-piece	16.3	0.640	Full	16	0.3	12/20/2024
5100-06	Hot Air/Oil	3/8"	12XX-06	1-piece	19.6	0.770	Full	19	0.6	12/20/2024
5100-08	Hot Air/Oil	1/2"	12XX-08	1-piece	23.1	0.910	Full	23	0.1	12/20/2024
5120-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	1.4	12/20/2024
5120-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	1.2	12/20/2024
5120-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	0.2	12/20/2024
5120-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	0.6	12/20/2024
5120-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	4.3	12/20/2024
5120-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	1.7	12/20/2024
5120-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	1.4	12/20/2024
5120-32	SAE 100R12	2"	40XX-32	1-piece	70.7	2.783	Full	69	1.7	12/20/2024
5122-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	1.4	12/20/2024
5122-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	1.2	12/20/2024
5122-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	0.2	12/20/2024
5122-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	0.6	12/20/2024
5122-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	4.3	12/20/2024
5122-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	1.7	12/20/2024
5122-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	1.4	12/20/2024
5122-32	SAE 100R12	2"	40XX-32	1-piece	70.7	2.783	Full	69	1.7	12/20/2024
5130-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	12/20/2024
5130-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	12/20/2024
5130-20	SAE 100R13	1-1/4"	60XX-20	1-piece	53.6	2.110	Full	50	3.6	12/20/2024
5130-24	SAE 100R13	1-1/2"	60XX-24	1-piece	61.2	2.409	Full	57	4.2	12/20/2024
5130-32	SAE 100R13	2"	60XX-32	1-piece	76.1	2.996	Full	74	2.1	12/20/2024
5132-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	12/20/2024
5132-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	12/20/2024
5132-20	SAE 100R13	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	4.6	12/20/2024
5132-24	SAE 100R13	1-1/2"	60XX-24	1-piece	61.2	2.409	Full	57	4.2	12/20/2024
5132-32	SAE 100R13	2"	60XX-32	1-piece	76.0	2.992	Full	74	2.0	12/20/2024
5152-06	SAE 100R15	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	1.4	12/20/2024
5152-08	SAE 100R15	1/2"	40XX-08	1-piece	28.7	1.130	Full	27	1.7	12/20/2024
5152-10	SAE 100R15	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	0.2	12/20/2024
5152-12	SAE 100R15	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	12/20/2024
5152-16	SAE 100R15	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	12/20/2024
5152-20	SAE 100R15	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	4.6	12/20/2024
5152-24	SAE 100R15	1-1/2"	60XX-24	1-piece	60.7	2.390	Full	57	3.7	12/20/2024
5152-32	SAE 100R15	2"	60XX-32	1-piece	75.0	2.953	Full	74	1.0	12/20/2024

NOTES: Crimp scale settings are approximate.

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The picture at right demonstrates a representative location for all dies.

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Hose Series	Hose Type	Hose Size	Coupling Series	Coupling Type	Crimp Diameter (mm)	Crimp Diameter (inch)	Crimp Position	Die	Approx. Scale Setting	Revision Date
5160-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	12/20/2024
5160-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	12/20/2024
5160-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	12/20/2024
5160-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	12/20/2024
5160-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	0.5	12/20/2024
5160-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	12/20/2024
5160-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5161-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	12/20/2024
5161-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	12/20/2024
5161-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	12/20/2024
5161-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	12/20/2024
5161-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	12/20/2024
5161-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5162-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	12/20/2024
5162-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	12/20/2024
5162-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	12/20/2024
5162-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	12/20/2024
5162-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	0.5	12/20/2024
5162-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	12/20/2024
5162-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5170-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2	12/20/2024
5170-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5170-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1	12/20/2024
5170-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	12/20/2024
5170-10	SAE 100R17	5/8"	12XX-10	1-piece	27.7	1.091	Full	27	0.7	12/20/2024
5170-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	12/20/2024
5170-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	12/20/2024
5171-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2	12/20/2024
5171-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5171-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1	12/20/2024
5171-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	12/20/2024
5171-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	12/20/2024
5171-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	12/20/2024
5172-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2.0	12/20/2024
5172-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5172-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1.0	12/20/2024
5172-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	12/20/2024
5172-10	SAE 100R17	5/8"	12XX-10	1-piece	27.7	1.091	Full	27	0.7	12/20/2024
5172-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	12/20/2024
5172-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	12/20/2024
5192-04	SAE 100R19	1/4"	12XX-04	1-piece	16.9	0.665	Full	16	0.9	12/20/2024
5192-06	SAE 100R19	3/8"	12XX-06	1-piece	21.0	0.827	Full	19	2.0	12/20/2024
5192-08	SAE 100R19	1/2"	12XX-08	1-piece	24.8	0.976	Full	23	1.8	12/20/2024
5192-10	SAE 100R19	5/8"	12XX-10	1-piece	27.8	1.094	Full	27	0.8	12/20/2024
5192-12	SAE 100R19	3/4"	12XX-12	1-piece	31.8	1.252	Full	31	0.8	12/20/2024
5192-16	SAE 100R19	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	12/20/2024
5201-08	N/A	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	12/20/2024
5205-24	4SH	1-1/2"	60XX-24	1-piece	58.0	2.283	Full	57	1.0	12/20/2024
5205-32	4SH	2"	60XX-32	1-piece	72.9	2.870	Full	69	3.9	12/20/2024
5210-24	N/A	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	12/20/2024
5210-24	N/A	1-1/2"	6024-24	1-piece	60.5	2.382	Full	57	3.5	12/20/2024
5220-04	Jack Line	1/4"	1220L-0404	1-piece	17.6	0.693	Full	16	1.6	12/20/2024
5220-06	Jack Line	3/8"	1220L-0606	1-piece	22.2	0.874	Full	19	3.2	12/20/2024

**NOTES:** Crimp scale settings are approximate.

The setting required to achieve the specified crimp diameter may be different depending on many factors including calibration and condition of the crimper. Crimp diameters specified must be met to +/- 0.005" (+/- 0.12 mm) to perform correctly on the indicated hose. All crimps should be positioned in the dies to achieve a full crimp covering the complete ferrule during crimp.

The picture at right demonstrates a representative location for all dies.

**Crimp specs are valid for 90 days from revision date.**

