

Hose Series	Hose Type	Hose Size	Coupling Series	Coupling Type	Crimp Diameter (mm)	Crimp Diameter (inch)	Crimp Position	Die	Approx. Scale Setting	Rev. Date
4816-0050	STEAM	1/2"	12XX-08	1-piece	25.9	1.020	Full	23	2.9	4/1/2021
4816-0075	STEAM	3/4"	12XX-12	1-piece	32.5	1.280	Full	31	1.5	4/1/2021
4816-0100	STEAM	1"	12XX-16	1-piece	40.8	1.606	Full	39	1.8	4/1/2021
4816-0125	STEAM	1-1/4"	12XX-20	1-piece	48.6	1.913	Full	45	3.6	4/1/2021
4816-0150	STEAM	1-1/2"	12XX-24	1-piece	61.3	2.413	Full	57	4.3	4/1/2021
4816-0200	STEAM	2"	12XX-32	1-piece	72.6	2.858	Full	69	3.6	4/1/2021
4183-0075	WASHDOWN	3/4"	12XX-12	1-piece	32.6	1.283	Full	31	1.6	4/1/2021
4183-0100	WASHDOWN	1"	12XX-16	1-piece	41.0	1.614	Full	39	2.0	4/1/2021
5010-03	SAE 100R1	3/16"	12XX-03	1-piece	14.2	0.559	Full	12	2.2	4/1/2021
5010-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	4/1/2021
5010-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	4/1/2021
5010-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	4/1/2021
5010-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	4/1/2021
5010-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	0.2	4/1/2021
5010-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	4/1/2021
5010-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5010-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	0.3	4/1/2021
5010-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	1.4	4/1/2021
5010-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	63	6.7	4/1/2021
5011-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	4/1/2021
5011-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	4/1/2021
5011-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	4/1/2021
5011-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	4/1/2021
5011-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	4/1/2021
5011-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5012-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	0.6	4/1/2021
5012-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	2.3	4/1/2021
5012-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	2.2	4/1/2021
5012-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	1.2	4/1/2021
5012-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	0.2	4/1/2021
5012-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	0.9	4/1/2021
5012-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5012-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	0.3	4/1/2021
5012-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	1.4	4/1/2021
5012-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	63	6.7	4/1/2021
5020-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5020-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	4/1/2021
5020-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	4/1/2021
5020-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	4/1/2021
5020-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	1.2	4/1/2021
5020-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	4/1/2021
5020-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	4/1/2021
5020-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	1.3	4/1/2021
5020-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	4/1/2021
5020-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	1.7	4/1/2021
5021-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5021-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	4/1/2021
5021-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	4/1/2021
5021-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	4/1/2021
5021-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	4/1/2021
5021-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	4/1/2021

**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.

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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	Rev. Date
5022-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5022-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	0.3	4/1/2021
5022-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	3.2	4/1/2021
5022-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	2.2	4/1/2021
5022-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	1.2	4/1/2021
5022-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	1.9	4/1/2021
5022-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	2.6	4/1/2021
5022-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	1.3	4/1/2021
5022-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	4/1/2021
5022-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	1.7	4/1/2021
5040-12	SAE 100R4	3/4"	12XX-12	1-piece	33.7	1.325	Full	31	2.7	4/1/2021
5040-16	SAE 100R4	1"	12XX-16	1-piece	40.6	1.600	Full	39	1.6	4/1/2021
5040-20	SAE 100R4	1-1/4"	12XX-20	1-piece	48.3	1.900	Full	45	3.3	4/1/2021
5040-24	SAE 100R4	1-1/2"	12XX-24	1-piece	57.2	2.250	Full	57	0.1	4/1/2021
5040-32	SAE 100R4	2"	12XX-32	1-piece	69.2	2.725	Full	69	0.2	4/1/2021
5120-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	1.4	4/1/2021
5120-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	1.2	4/1/2021
5120-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	0.2	4/1/2021
5120-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	0.6	4/1/2021
5120-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	4.3	4/1/2021
5120-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	1.7	4/1/2021
5120-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	1.4	4/1/2021
5122-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	1.4	4/1/2021
5122-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	1.2	4/1/2021
5122-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	0.2	4/1/2021
5122-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	0.6	4/1/2021
5122-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	4.3	4/1/2021
5122-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	1.7	4/1/2021
5122-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	1.4	4/1/2021
5130-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	4/1/2021
5130-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	4/1/2021
5130-20	SAE 100R13	1-1/4"	60XX-20	1-piece	53.6	2.110	Full	50	3.6	4/1/2021
5132-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	4/1/2021
5132-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	4/1/2021
5132-20	SAE 100R13	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	4.6	4/1/2021
5152-12	SAE 100R15	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	1.3	4/1/2021
5152-16	SAE 100R15	1"	60XX-16	1-piece	43.2	1.701	Full	39	4.2	4/1/2021
5152-20	SAE 100R15	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	4.6	4/1/2021
5160-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	4/1/2021
5160-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	4/1/2021
5160-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	4/1/2021
5160-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	4/1/2021
5160-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	0.5	4/1/2021
5160-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	4/1/2021
5160-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021

**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.

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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	Rev. Date
5161-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	4/1/2021
5161-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	4/1/2021
5161-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	4/1/2021
5161-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	4/1/2021
5161-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	4/1/2021
5161-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5162-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	0.8	4/1/2021
5162-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	2.5	4/1/2021
5162-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	2.1	4/1/2021
5162-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	4/1/2021
5162-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	0.5	4/1/2021
5162-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	1.1	4/1/2021
5162-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5170-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2.0	4/1/2021
5170-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5170-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1.0	4/1/2021
5170-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	4/1/2021
5170-10	SAE 100R17	5/8"	12XX-10	1-piece	27.7	1.091	Full	27	0.7	4/1/2021
5170-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	4/1/2021
5170-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	4/1/2021
5171-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2.0	4/1/2021
5171-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5171-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1.0	4/1/2021
5171-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	4/1/2021
5171-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	4/1/2021
5171-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	4/1/2021
5172-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	2.0	4/1/2021
5172-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	1.6	4/1/2021
5172-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	1.0	4/1/2021
5172-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	0.5	4/1/2021
5172-10	SAE 100R17	5/8"	12XX-10	1-piece	27.7	1.091	Full	27	0.7	4/1/2021
5172-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	1.2	4/1/2021
5172-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	2.1	4/1/2021
5192-04	SAE 100R19	1/4"	12XX-04	1-piece	16.9	0.665	Full	16	0.9	4/1/2021
5192-06	SAE 100R19	3/8"	12XX-06	1-piece	21.0	0.827	Full	19	2.0	4/1/2021
5192-08	SAE 100R19	1/2"	12XX-08	1-piece	24.8	0.976	Full	23	1.8	4/1/2021
5192-10	SAE 100R19	5/8"	12XX-10	1-piece	27.8	1.094	Full	27	0.8	4/1/2021
5192-12	SAE 100R19	3/4"	12XX-12	1-piece	31.8	1.252	Full	31	0.8	4/1/2021
5192-16	SAE 100R19	1"	12XX-16	1-piece	40.6	1.598	Full	39	1.6	4/1/2021
5201-08	N/A	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	1.5	4/1/2021
5205-24	4SH	1-1/2"	60XX-24	1-piece	58.0	2.283	Full	57	1.0	4/1/2021
5210-24	N/A	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	2.4	4/1/2021

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