

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	N/A	4/1/2021
4816-0075	STEAM	3/4"	12XX-12	1-piece	32.5	1.280	Full	31	N/A	4/1/2021
4816-0100	STEAM	1"	12XX-16	1-piece	40.8	1.606	Full	39	N/A	4/1/2021
4816-0125	STEAM	1-1/4"	12XX-20	1-piece	48.6	1.913	Full	45	N/A	4/1/2021
4816-0150	STEAM	1-1/2"	12XX-24	1-piece	61.3	2.413	Full	57	N/A	4/1/2021
4816-0200	STEAM	2"	12XX-32	1-piece	72.6	2.858	Full	69	N/A	4/1/2021
4183-0075	WASHDOWN	3/4"	12XX-12	1-piece	32.6	1.283	Full	31	N/A	4/1/2021
4183-0100	WASHDOWN	1"	12XX-16	1-piece	41.0	1.614	Full	39	N/A	4/1/2021
5010-03	SAE 100R1	3/16"	12XX-03	1-piece	14.2	0.559	Full	12	N/A	4/1/2021
5010-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	N/A	4/1/2021
5010-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	N/A	4/1/2021
5010-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	N/A	4/1/2021
5010-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	N/A	4/1/2021
5010-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	N/A	4/1/2021
5010-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	N/A	4/1/2021
5010-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5010-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	N/A	4/1/2021
5010-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	N/A	4/1/2021
5010-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	63	N/A	4/1/2021
5011-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	N/A	4/1/2021
5011-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	N/A	4/1/2021
5011-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	N/A	4/1/2021
5011-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	N/A	4/1/2021
5011-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	N/A	4/1/2021
5011-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5012-04	SAE 100R1	1/4"	12XX-04	1-piece	16.6	0.654	Full	16	N/A	4/1/2021
5012-05	SAE 100R1	5/16"	12XX-05	1-piece	18.3	0.720	Full	16	N/A	4/1/2021
5012-06	SAE 100R1	3/8"	12XX-06	1-piece	21.2	0.835	Full	19	N/A	4/1/2021
5012-08	SAE 100R1	1/2"	12XX-08	1-piece	24.2	0.953	Full	23	N/A	4/1/2021
5012-10	SAE 100R1	5/8"	12XX-10	1-piece	27.2	1.071	Full	27	N/A	4/1/2021
5012-12	SAE 100R1	3/4"	12XX-12	1-piece	31.9	1.256	Full	31	N/A	4/1/2021
5012-16	SAE 100R1	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5012-20	SAE 100R1	1-1/4"	12XX-20	1-piece	50.3	1.980	Full	50	N/A	4/1/2021
5012-24	SAE 100R1	1-1/2"	12XX-24	1-piece	58.4	2.299	Full	57	N/A	4/1/2021
5012-32	SAE 100R1	2"	12XX-32	1-piece	69.7	2.744	Full	63	N/A	4/1/2021
5020-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	N/A	4/1/2021
5020-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	N/A	4/1/2021
5020-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	N/A	4/1/2021
5020-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	N/A	4/1/2021
5020-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	N/A	4/1/2021
5020-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	N/A	4/1/2021
5020-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	N/A	4/1/2021
5020-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	N/A	4/1/2021
5020-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	N/A	4/1/2021
5020-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	N/A	4/1/2021
5021-04	SAE 100R2	1/4"	12XX-04	1-piece	17.6	0.693	Full	16	N/A	4/1/2021
5021-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	N/A	4/1/2021
5021-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	N/A	4/1/2021
5021-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	N/A	4/1/2021
5021-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	N/A	4/1/2021
5021-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	N/A	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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## Crimp Specifications - Page 2 of 3

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	N/A	4/1/2021
5022-05	SAE 100R2	5/16"	12XX-05	1-piece	19.3	0.760	Full	19	N/A	4/1/2021
5022-06	SAE 100R2	3/8"	12XX-06	1-piece	22.2	0.874	Full	19	N/A	4/1/2021
5022-08	SAE 100R2	1/2"	12XX-08	1-piece	25.2	0.992	Full	23	N/A	4/1/2021
5022-10	SAE 100R2	5/8"	12XX-10	1-piece	28.2	1.110	Full	27	N/A	4/1/2021
5022-12	SAE 100R2	3/4"	12XX-12	1-piece	32.9	1.295	Full	31	N/A	4/1/2021
5022-16	SAE 100R2	1"	12XX-16	1-piece	41.6	1.638	Full	39	N/A	4/1/2021
5022-20	SAE 100R2	1-1/4"	12XX-20	1-piece	51.3	2.020	Full	50	N/A	4/1/2021
5022-24	SAE 100R2	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	N/A	4/1/2021
5022-32	SAE 100R2	2"	12XX-32	1-piece	70.7	2.783	Full	69	N/A	4/1/2021
5040-12	SAE 100R4	3/4"	12XX-12	1-piece	33.7	1.325	Full	31	N/A	4/1/2021
5040-16	SAE 100R4	1"	12XX-16	1-piece	40.6	1.600	Full	39	N/A	4/1/2021
5040-20	SAE 100R4	1-1/4"	12XX-20	1-piece	48.3	1.900	Full	45	N/A	4/1/2021
5040-24	SAE 100R4	1-1/2"	12XX-24	1-piece	57.2	2.250	Full	57	N/A	4/1/2021
5040-32	SAE 100R4	2"	12XX-32	1-piece	69.2	2.725	Full	69	N/A	4/1/2021
5120-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	N/A	4/1/2021
5120-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	N/A	4/1/2021
5120-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	N/A	4/1/2021
5120-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	N/A	4/1/2021
5120-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	N/A	4/1/2021
5120-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	N/A	4/1/2021
5120-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	N/A	4/1/2021
5120-32	SAE 100R12	2"	40XX-32	1-piece	70.7	2.783	Full	69	N/A	4/1/2021
5122-06	SAE 100R12	3/8"	40XX-06	1-piece	24.4	0.961	Full	23	N/A	4/1/2021
5122-08	SAE 100R12	1/2"	40XX-08	1-piece	28.2	1.110	Full	27	N/A	4/1/2021
5122-10	SAE 100R12	5/8"	40XX-10	1-piece	31.2	1.228	Full	31	N/A	4/1/2021
5122-12	SAE 100R12	3/4"	40XX-12	1-piece	34.6	1.362	Full	34	N/A	4/1/2021
5122-16	SAE 100R12	1"	40XX-16	1-piece	43.3	1.705	Full	39	N/A	4/1/2021
5122-20	SAE 100R12	1-1/4"	40XX-20	1-piece	51.7	2.035	Full	50	N/A	4/1/2021
5122-24	SAE 100R12	1-1/2"	40XX-24	1-piece	58.4	2.299	Full	57	N/A	4/1/2021
5122-32	SAE 100R12	2"	40XX-32	1-piece	70.7	2.783	Full	69	N/A	4/1/2021
5130-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	N/A	4/1/2021
5130-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	N/A	4/1/2021
5130-20	SAE 100R13	1-1/4"	60XX-20	1-piece	53.6	2.110	Full	50	N/A	4/1/2021
5130-24	SAE 100R13	1-1/2"	60XX-24	1-piece	61.2	2.409	Full	57	N/A	4/1/2021
5130-32	SAE 100R13	2"	60XX-32	1-piece	76.1	2.996	Full	74	N/A	4/1/2021
5132-12	SAE 100R13	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	N/A	4/1/2021
5132-16	SAE 100R13	1"	60XX-16	1-piece	43.2	1.701	Full	39	N/A	4/1/2021
5132-20	SAE 100R13	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	N/A	4/1/2021
5132-24	SAE 100R13	1-1/2"	60XX-24	1-piece	61.2	2.409	Full	57	N/A	4/1/2021
5132-32	SAE 100R13	2"	60XX-32	1-piece	76.0	2.992	Full	74	N/A	4/1/2021
5152-12	SAE 100R15	3/4"	60XX-12	1-piece	35.3	1.390	Full	34	N/A	4/1/2021
5152-16	SAE 100R15	1"	60XX-16	1-piece	43.2	1.701	Full	39	N/A	4/1/2021
5152-20	SAE 100R15	1-1/4"	60XX-20	1-piece	54.6	2.150	Full	50	N/A	4/1/2021
5152-24	SAE 100R15	1-1/2"	60XX-24	1-piece	60.7	2.390	Full	57	N/A	4/1/2021
5152-32	SAE 100R15	2"	60XX-32	1-piece	75.0	2.953	Full	74	N/A	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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## Crimp Specifications - Page 3 of 3

Hose Series	Hose Type	Hose Size	Coupling Series	Coupling Type	Crimp Diameter (mm)	Crimp Diameter (inch)	Crimp Position	Die	Approx. Scale Setting	Rev. Date
5160-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	N/A	4/1/2021
5160-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	N/A	4/1/2021
5160-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	N/A	4/1/2021
5160-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	N/A	4/1/2021
5160-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	N/A	4/1/2021
5160-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	N/A	4/1/2021
5160-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5161-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	N/A	4/1/2021
5161-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	N/A	4/1/2021
5161-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	N/A	4/1/2021
5161-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	N/A	4/1/2021
5161-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	N/A	4/1/2021
5161-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5162-04	SAE 100R16	1/4"	12XX-04	1-piece	16.8	0.661	Full	16	N/A	4/1/2021
5162-05	SAE 100R16	5/16"	12XX-05	1-piece	18.5	0.728	Full	16	N/A	4/1/2021
5162-06	SAE 100R16	3/8"	12XX-06	1-piece	21.1	0.831	Full	19	N/A	4/1/2021
5162-08	SAE 100R16	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	N/A	4/1/2021
5162-10	SAE 100R16	5/8"	12XX-10	1-piece	27.5	1.083	Full	27	N/A	4/1/2021
5162-12	SAE 100R16	3/4"	12XX-12	1-piece	32.1	1.264	Full	31	N/A	4/1/2021
5162-16	SAE 100R16	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5170-04	SAE 100R17	1/4"	12XX-04	1-piece	16.0	0.630	Full	14	N/A	4/1/2021
5170-05	SAE 100R17	5/16"	12XX-05	1-piece	17.6	0.693	Full	16	N/A	4/1/2021
5170-06	SAE 100R17	3/8"	12XX-06	1-piece	20.0	0.787	Full	19	N/A	4/1/2021
5170-08	SAE 100R17	1/2"	12XX-08	1-piece	23.5	0.925	Full	23	N/A	4/1/2021
5170-10	SAE 100R17	5/8"	12XX-10	1-piece	27.7	1.091	Full	27	N/A	4/1/2021
5170-12	SAE 100R17	3/4"	12XX-12	1-piece	32.2	1.268	Full	31	N/A	4/1/2021
5170-16	SAE 100R17	1"	12XX-16	1-piece	41.1	1.618	Full	39	N/A	4/1/2021
5171-04	SAE 100R17	1/4"	1200-04	1-piece	16.0	0.630	Full	14	N/A	4/1/2021
5171-05	SAE 100R17	5/16"	1200-05	1-piece	17.6	0.693	Full	16	N/A	4/1/2021
5171-06	SAE 100R17	3/8"	1200-06	1-piece	20.0	0.787	Full	19	N/A	4/1/2021
5171-08	SAE 100R17	1/2"	1200-08	1-piece	23.5	0.925	Full	23	N/A	4/1/2021
5171-12	SAE 100R17	3/4"	1200-12	1-piece	32.2	1.268	Full	31	N/A	4/1/2021
5171-16	SAE 100R17	1"	1200-16	1-piece	41.1	1.618	Full	39	N/A	4/1/2021
5172-04	SAE 100R17	1/4"	1200-04	1-piece	16.0	0.630	Full	14	N/A	4/1/2021
5172-05	SAE 100R17	5/16"	1200-05	1-piece	17.6	0.693	Full	16	N/A	4/1/2021
5172-06	SAE 100R17	3/8"	1200-06	1-piece	20.0	0.787	Full	19	N/A	4/1/2021
5172-08	SAE 100R17	1/2"	1200-08	1-piece	23.5	0.925	Full	23	N/A	4/1/2021
5172-10	SAE 100R17	5/8"	1200-10	1-piece	27.7	1.091	Full	27	N/A	4/1/2021
5172-12	SAE 100R17	3/4"	1200-12	1-piece	32.2	1.268	Full	31	N/A	4/1/2021
5172-16	SAE 100R17	1"	1200-16	1-piece	41.1	1.618	Full	39	N/A	4/1/2021
5192-04	SAE 100R19	1/4"	12XX-04	1-piece	16.9	0.665	Full	16	N/A	4/1/2021
5192-06	SAE 100R19	3/8"	12XX-06	1-piece	21.0	0.827	Full	19	N/A	4/1/2021
5192-08	SAE 100R19	1/2"	12XX-08	1-piece	24.8	0.976	Full	23	N/A	4/1/2021
5192-10	SAE 100R19	5/8"	12XX-10	1-piece	27.8	1.094	Full	27	N/A	4/1/2021
5192-12	SAE 100R19	3/4"	12XX-12	1-piece	31.8	1.252	Full	31	N/A	4/1/2021
5192-16	SAE 100R19	1"	12XX-16	1-piece	40.6	1.598	Full	39	N/A	4/1/2021
5201-08	N/A	1/2"	12XX-08	1-piece	24.5	0.965	Full	23	N/A	4/1/2021
5205-24	4SH	1-1/2"	60XX-24	1-piece	58.0	2.283	Full	57	N/A	4/1/2021
5205-32	4SH	2"	60XX-32	1-piece	72.9	2.870	Full	69	N/A	4/1/2021
5210-24	N/A	1-1/2"	12XX-24	1-piece	59.4	2.339	Full	57	N/A	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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