

| Hose Series | Hose Type | Hose Size | Coupling Series | Coupling Type | Crimp Diameter (mm) | Crimp Diameter (inch) | Crimp Position | Die | Approx. Scale Setting | Rev. Date |
|-------------|-----------|-----------|-----------------|---------------|---------------------|-----------------------|----------------|-----|-----------------------|-----------|
| 5010-03     | SAE 100R1 | 3/16"     | 12XX-03         | 1-piece       | 12.8                | 0.504                 | Full           | 12  | 0.8                   | 5/29/2020 |
| 5010-04     | SAE 100R1 | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | 0.6                   | 5/29/2020 |
| 5010-05     | SAE 100R1 | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | 2.3                   | 5/29/2020 |
| 5010-06     | SAE 100R1 | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | 2.2                   | 5/29/2020 |
| 5010-08     | SAE 100R1 | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | 1.2                   | 5/29/2020 |
| 5010-10     | SAE 100R1 | 5/8"      | 12XX-10         | 1-piece       | 27.2                | 1.071                 | Full           | 27  | 0.2                   | 5/29/2020 |
| 5010-12     | SAE 100R1 | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | 0.9                   | 5/29/2020 |
| 5010-16     | SAE 100R1 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5010-20     | SAE 100R1 | 1-1/4"    | 12XX-20         | 1-piece       | 50.3                | 1.980                 | Full           | 50  | 0.3                   | 5/29/2020 |
| 5010-24     | SAE 100R1 | 1-1/2"    | 12XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | 1.4                   | 5/29/2020 |
| 5010-32     | SAE 100R1 | 2"        | 12XX-32         | 1-piece       | 69.7                | 2.744                 | Full           | 63  | 6.7                   | 5/29/2020 |
| 5011-04     | SAE 100R1 | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | 0.6                   | 5/29/2020 |
| 5011-05     | SAE 100R1 | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | 2.3                   | 5/29/2020 |
| 5011-06     | SAE 100R1 | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | 2.2                   | 5/29/2020 |
| 5011-08     | SAE 100R1 | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | 1.2                   | 5/29/2020 |
| 5011-12     | SAE 100R1 | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | 0.9                   | 5/29/2020 |
| 5011-16     | SAE 100R1 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5012-04     | SAE 100R1 | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | 0.6                   | 5/29/2020 |
| 5012-05     | SAE 100R1 | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | 2.3                   | 5/29/2020 |
| 5012-06     | SAE 100R1 | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | 2.2                   | 5/29/2020 |
| 5012-08     | SAE 100R1 | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | 1.2                   | 5/29/2020 |
| 5012-10     | SAE 100R1 | 5/8"      | 12XX-10         | 1-piece       | 27.2                | 1.071                 | Full           | 27  | 0.2                   | 5/29/2020 |
| 5012-12     | SAE 100R1 | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | 0.9                   | 5/29/2020 |
| 5012-16     | SAE 100R1 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5012-20     | SAE 100R1 | 1-1/4"    | 12XX-20         | 1-piece       | 50.3                | 1.980                 | Full           | 50  | 0.3                   | 5/29/2020 |
| 5012-24     | SAE 100R1 | 1-1/2"    | 12XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | 1.4                   | 5/29/2020 |
| 5012-32     | SAE 100R1 | 2"        | 12XX-32         | 1-piece       | 69.7                | 2.744                 | Full           | 63  | 6.7                   | 5/29/2020 |
| 5020-04     | SAE 100R2 | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5020-05     | SAE 100R2 | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | 0.3                   | 5/29/2020 |
| 5020-06     | SAE 100R2 | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | 3.2                   | 5/29/2020 |
| 5020-08     | SAE 100R2 | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | 2.2                   | 5/29/2020 |
| 5020-10     | SAE 100R2 | 5/8"      | 12XX-10         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | 1.2                   | 5/29/2020 |
| 5020-12     | SAE 100R2 | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | 1.9                   | 5/29/2020 |
| 5020-16     | SAE 100R2 | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | 2.6                   | 5/29/2020 |
| 5020-20     | SAE 100R2 | 1-1/4"    | 12XX-20         | 1-piece       | 51.3                | 2.020                 | Full           | 50  | 1.3                   | 5/29/2020 |
| 5020-24     | SAE 100R2 | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | 2.4                   | 5/29/2020 |
| 5020-32     | SAE 100R2 | 2"        | 12XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | 1.7                   | 5/29/2020 |
| 5021-04     | SAE 100R2 | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5021-05     | SAE 100R2 | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | 0.3                   | 5/29/2020 |
| 5021-06     | SAE 100R2 | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | 3.2                   | 5/29/2020 |
| 5021-08     | SAE 100R2 | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | 2.2                   | 5/29/2020 |
| 5021-12     | SAE 100R2 | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | 1.9                   | 5/29/2020 |
| 5021-16     | SAE 100R2 | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | 2.6                   | 5/29/2020 |

**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 | Rev. Date |
|-------------|------------|-----------|-----------------|---------------|---------------------|-----------------------|----------------|-----|-----------------------|-----------|
| 5022-04     | SAE 100R2  | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5022-05     | SAE 100R2  | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | 0.3                   | 5/29/2020 |
| 5022-06     | SAE 100R2  | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | 3.2                   | 5/29/2020 |
| 5022-08     | SAE 100R2  | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | 2.2                   | 5/29/2020 |
| 5022-10     | SAE 100R2  | 5/8"      | 12XX-10         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | 1.2                   | 5/29/2020 |
| 5022-12     | SAE 100R2  | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | 1.9                   | 5/29/2020 |
| 5022-16     | SAE 100R2  | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | 2.6                   | 5/29/2020 |
| 5022-20     | SAE 100R2  | 1-1/4"    | 12XX-20         | 1-piece       | 51.3                | 2.020                 | Full           | 50  | 1.3                   | 5/29/2020 |
| 5022-24     | SAE 100R2  | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | 2.4                   | 5/29/2020 |
| 5022-32     | SAE 100R2  | 2"        | 12XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | 1.7                   | 5/29/2020 |
| 5160-04     | SAE 100R16 | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | 0.8                   | 5/29/2020 |
| 5160-05     | SAE 100R16 | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | 2.5                   | 5/29/2020 |
| 5160-06     | SAE 100R16 | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | 2.1                   | 5/29/2020 |
| 5160-08     | SAE 100R16 | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | 1.5                   | 5/29/2020 |
| 5160-10     | SAE 100R16 | 5/8"      | 12XX-10         | 1-piece       | 27.5                | 1.083                 | Full           | 27  | 0.5                   | 5/29/2020 |
| 5160-12     | SAE 100R16 | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | 1.1                   | 5/29/2020 |
| 5160-16     | SAE 100R16 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5161-04     | SAE 100R16 | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | 0.8                   | 5/29/2020 |
| 5161-05     | SAE 100R16 | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | 2.5                   | 5/29/2020 |
| 5161-06     | SAE 100R16 | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | 2.1                   | 5/29/2020 |
| 5161-08     | SAE 100R16 | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | 1.5                   | 5/29/2020 |
| 5161-12     | SAE 100R16 | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | 1.1                   | 5/29/2020 |
| 5161-16     | SAE 100R16 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5162-04     | SAE 100R16 | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | 0.8                   | 5/29/2020 |
| 5162-05     | SAE 100R16 | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | 2.5                   | 5/29/2020 |
| 5162-06     | SAE 100R16 | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | 2.1                   | 5/29/2020 |
| 5162-08     | SAE 100R16 | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | 1.5                   | 5/29/2020 |
| 5162-10     | SAE 100R16 | 5/8"      | 12XX-10         | 1-piece       | 27.5                | 1.083                 | Full           | 27  | 0.5                   | 5/29/2020 |
| 5162-12     | SAE 100R16 | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | 1.1                   | 5/29/2020 |
| 5162-16     | SAE 100R16 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5170-04     | SAE 100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | 2                     | 5/29/2020 |
| 5170-05     | SAE 100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5170-06     | SAE 100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | 1                     | 5/29/2020 |
| 5170-08     | SAE 100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | 0.5                   | 5/29/2020 |
| 5170-10     | SAE 100R17 | 5/8"      | 12XX-10         | 1-piece       | 27.7                | 1.091                 | Full           | 27  | 0.7                   | 5/29/2020 |
| 5170-12     | SAE 100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | 1.2                   | 5/29/2020 |
| 5170-16     | SAE 100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | 2.1                   | 5/29/2020 |
| 5171-04     | SAE 100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | 2                     | 5/29/2020 |
| 5171-05     | SAE 100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5171-06     | SAE 100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | 1                     | 5/29/2020 |
| 5171-08     | SAE 100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | 0.5                   | 5/29/2020 |
| 5171-12     | SAE 100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | 1.2                   | 5/29/2020 |
| 5171-16     | SAE 100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | 2.1                   | 5/29/2020 |

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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 | Rev. Date |
|-------------|------------|-----------|-----------------|---------------|---------------------|-----------------------|----------------|-----|-----------------------|-----------|
| 5172-04     | SAE 100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | 2                     | 5/29/2020 |
| 5172-05     | SAE 100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | 1.6                   | 5/29/2020 |
| 5172-06     | SAE 100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | 1                     | 5/29/2020 |
| 5172-08     | SAE 100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | 0.5                   | 5/29/2020 |
| 5172-10     | SAE 100R17 | 5/8"      | 12XX-10         | 1-piece       | 27.7                | 1.091                 | Full           | 27  | 0.7                   | 5/29/2020 |
| 5172-12     | SAE 100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | 1.2                   | 5/29/2020 |
| 5172-16     | SAE 100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | 2.1                   | 5/29/2020 |
| 5192-04     | SAE 100R19 | 1/4"      | 12XX-04         | 1-piece       | 16.9                | 0.665                 | Full           | 16  | 0.9                   | 5/29/2020 |
| 5192-06     | SAE 100R19 | 3/8"      | 12XX-06         | 1-piece       | 21.0                | 0.827                 | Full           | 19  | 2                     | 5/29/2020 |
| 5192-08     | SAE 100R19 | 1/2"      | 12XX-08         | 1-piece       | 24.8                | 0.976                 | Full           | 23  | 1.8                   | 5/29/2020 |
| 5192-10     | SAE 100R19 | 5/8"      | 12XX-10         | 1-piece       | 27.8                | 1.094                 | Full           | 27  | 0.8                   | 5/29/2020 |
| 5192-12     | SAE 100R19 | 3/4"      | 12XX-12         | 1-piece       | 32.3                | 1.272                 | Full           | 31  | 1.3                   | 5/29/2020 |
| 5192-16     | SAE 100R19 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | 1.6                   | 5/29/2020 |
| 5120-06     | SAE 100R12 | 3/8"      | 40XX-06         | 1-piece       | 24.4                | 0.961                 | Full           | 23  | 1.4                   | 5/29/2020 |
| 5120-08     | SAE 100R12 | 1/2"      | 40XX-08         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | 1.2                   | 5/29/2020 |
| 5120-10     | SAE 100R12 | 5/8"      | 40XX-10         | 1-piece       | 31.2                | 1.228                 | Full           | 31  | 0.2                   | 5/29/2020 |
| 5120-12     | SAE 100R12 | 3/4"      | 40XX-12         | 1-piece       | 34.6                | 1.362                 | Full           | 34  | 0.6                   | 5/29/2020 |
| 5120-16     | SAE 100R12 | 1"        | 40XX-16         | 1-piece       | 43.3                | 1.705                 | Full           | 39  | 4.3                   | 5/29/2020 |
| 5120-20     | SAE 100R12 | 1-1/4"    | 40XX-20         | 1-piece       | 51.7                | 2.035                 | Full           | 50  | 1.7                   | 5/29/2020 |
| 5120-24     | SAE 100R12 | 1-1/2"    | 40XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | 1.4                   | 5/29/2020 |
| 5120-32     | SAE 100R12 | 2"        | 40XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | 1.7                   | 5/29/2020 |
| 5122-06     | SAE 100R12 | 3/8"      | 40XX-06         | 1-piece       | 24.4                | 0.961                 | Full           | 23  | 1.4                   | 5/29/2020 |
| 5122-08     | SAE 100R12 | 1/2"      | 40XX-08         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | 1.2                   | 5/29/2020 |
| 5122-10     | SAE 100R12 | 5/8"      | 40XX-10         | 1-piece       | 31.2                | 1.228                 | Full           | 31  | 0.2                   | 5/29/2020 |
| 5122-12     | SAE 100R12 | 3/4"      | 40XX-12         | 1-piece       | 34.6                | 1.362                 | Full           | 34  | 0.6                   | 5/29/2020 |
| 5122-16     | SAE 100R12 | 1"        | 40XX-16         | 1-piece       | 43.3                | 1.705                 | Full           | 39  | 4.3                   | 5/29/2020 |
| 5122-20     | SAE 100R12 | 1-1/4"    | 40XX-20         | 1-piece       | 51.7                | 2.035                 | Full           | 50  | 1.7                   | 5/29/2020 |
| 5122-24     | SAE 100R12 | 1-1/2"    | 40XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | 1.4                   | 5/29/2020 |
| 5122-32     | SAE 100R12 | 2"        | 40XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | 1.7                   | 5/29/2020 |
| 5130-12     | SAE 100R13 | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | 1.3                   | 5/29/2020 |
| 5130-16     | SAE 100R13 | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | 4.2                   | 5/29/2020 |
| 5130-20     | SAE 100R13 | 1-1/4"    | 60XX-20         | 1-piece       | 53.6                | 2.110                 | Full           | 50  | 3.6                   | 5/29/2020 |
| 5130-24     | SAE 100R13 | 1-1/2"    | 60XX-24         | 1-piece       | 61.2                | 2.409                 | Full           | 57  | 4.2                   | 5/29/2020 |
| 5130-32     | SAE 100R13 | 2"        | 60XX-32         | 1-piece       | 76.1                | 2.996                 | Full           | 74  | 2.1                   | 5/29/2020 |
| 5132-12     | SAE 100R13 | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | 1.3                   | 5/29/2020 |
| 5132-16     | SAE 100R13 | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | 4.2                   | 5/29/2020 |
| 5132-20     | SAE 100R13 | 1-1/4"    | 60XX-20         | 1-piece       | 54.6                | 2.150                 | Full           | 50  | 4.6                   | 5/29/2020 |
| 5132-24     | SAE 100R13 | 1-1/2"    | 60XX-24         | 1-piece       | 61.2                | 2.409                 | Full           | 57  | 4.2                   | 5/29/2020 |
| 5132-32     | SAE 100R13 | 2"        | 60XX-32         | 1-piece       | 76.0                | 2.992                 | Full           | 74  | 2                     | 5/29/2020 |
| 5152-12     | SAE 100R15 | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | 1.3                   | 5/29/2020 |
| 5152-16     | SAE 100R15 | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | 4.2                   | 5/29/2020 |
| 5152-20     | SAE 100R15 | 1-1/4"    | 60XX-20         | 1-piece       | 54.6                | 2.150                 | Full           | 50  | 4.6                   | 5/29/2020 |
| 5152-24     | SAE 100R15 | 1-1/2"    | 60XX-24         | 1-piece       | 60.7                | 2.390                 | Full           | 57  | 3.7                   | 5/29/2020 |
| 5152-32     | SAE 100R15 | 2"        | 60XX-32         | 1-piece       | 75.0                | 2.953                 | Full           | 74  | 1                     | 5/29/2020 |
| 5201-08     | N/A        | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | 1.5                   | 5/29/2020 |
| 5205-24     | 4SH        | 1-1/2"    | 60XX-24         | 1-piece       | 58.0                | 2.283                 | Full           | 57  | 1                     | 5/29/2020 |
| 5205-32     | 4SH        | 2"        | 60XX-32         | 1-piece       | 72.9                | 2.870                 | Full           | 69  | 3.9                   | 5/29/2020 |
| 5210-24     | N/A        | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | 2.4                   | 5/29/2020 |

**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.**

