

| 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  | N/A                   | 9/20/2025     |
| 4308-0038   | Multipurpose 500 PSI | 3/8"      | 12XX-06         | 1-piece       | 22.4                | 0.882                 | Full           | 19  | N/A                   | 9/20/2025     |
| 4308-0050   | Multipurpose 500 PSI | 1/2"      | 12XX-08         | 1-piece       | 26.2                | 1.031                 | Full           | 23  | N/A                   | 9/20/2025     |
| 4308-0062   | Multipurpose 500 PSI | 5/8"      | 12XX-10         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | N/A                   | 9/20/2025     |
| 4308-0075   | Multipurpose 500 PSI | 3/4"      | 12XX-12         | 1-piece       | 34.1                | 1.343                 | Full           | 31  | N/A                   | 9/20/2025     |
| 4308-0100   | Multipurpose 500 PSI | 1"        | 12XX-16         | 1-piece       | 41.2                | 1.622                 | Full           | 39  | N/A                   | 9/20/2025     |
| 4308-0125   | Multipurpose 500 PSI | 1-1/4"    | 12XX-20         | 1-piece       | 50.5                | 1.988                 | Full           | 50  | N/A                   | 9/20/2025     |
| 4806-0075   | Wire Braid Air       | 3/4"      | 12XX-12         | 1-piece       | 34.3                | 1.350                 | Full           | 31  | N/A                   | 9/20/2025     |
| 4806-0100   | Wire Braid Air       | 1"        | 12XX-16         | 1-piece       | 43.4                | 1.709                 | Full           | 39  | N/A                   | 9/20/2025     |
| 4806-0150   | Wire Braid Air       | 1-1/2"    | 12XX-24         | 1-piece       | 58.3                | 2.295                 | Full           | 57  | N/A                   | 9/20/2025     |
| 4806-0200   | Wire Braid Air       | 2"        | 12XX-32         | 1-piece       | 70.4                | 2.772                 | Full           | 69  | N/A                   | 9/20/2025     |
| 4816-0050   | Steam                | 1/2"      | 12XX-08         | 1-piece       | 25.9                | 1.020                 | Full           | 23  | N/A                   | 9/20/2025     |
| 4816-0075   | Steam                | 3/4"      | 12XX-12         | 1-piece       | 32.5                | 1.280                 | Full           | 31  | N/A                   | 9/20/2025     |
| 4816-0100   | Steam                | 1"        | 12XX-16         | 1-piece       | 40.8                | 1.606                 | Full           | 39  | N/A                   | 9/20/2025     |
| 4816-0125   | Steam                | 1-1/4"    | 12XX-20         | 1-piece       | 48.6                | 1.913                 | Full           | 45  | N/A                   | 9/20/2025     |
| 4816-0150   | Steam                | 1-1/2"    | 12XX-24         | 1-piece       | 61.3                | 2.413                 | Full           | 57  | N/A                   | 9/20/2025     |
| 4816-0200   | Steam                | 2"        | 12XX-32         | 1-piece       | 72.6                | 2.858                 | Full           | 69  | N/A                   | 9/20/2025     |
| 4183-0050   | Wash Down            | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | N/A                   | 9/20/2025     |
| 4183-0075   | Wash Down            | 3/4"      | 12XX-12         | 1-piece       | 32.6                | 1.283                 | Full           | 31  | N/A                   | 9/20/2025     |
| 4183-0100   | Wash Down            | 1"        | 12XX-16         | 1-piece       | 41.0                | 1.614                 | Full           | 39  | N/A                   | 9/20/2025     |
| 4183-0125   | Wash Down            | 1-1/4"    | 12XX-20         | 1-piece       | 50.3                | 1.980                 | Full           | 50  | N/A                   | 9/20/2025     |
| 4183-0150   | Wash Down            | 1-1/2"    | 12XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | N/A                   | 9/20/2025     |
| 4183-0200   | Wash Down            | 2"        | 12XX-32         | 1-piece       | 69.7                | 2.744                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5010-03     | SAE 100R1            | 3/16"     | 12XX-03         | 1-piece       | 14.2                | 0.559                 | Full           | 12  | N/A                   | 9/20/2025     |
| 5010-04     | SAE100R1             | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5010-05     | SAE100R1             | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5010-06     | SAE100R1             | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5010-08     | SAE100R1             | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5010-10     | SAE100R1             | 5/8"      | 12XX-10         | 1-piece       | 27.2                | 1.071                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5010-12     | SAE100R1             | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5010-16     | SAE100R1             | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5010-20     | SAE100R1             | 1-1/4"    | 12XX-20         | 1-piece       | 50.3                | 1.980                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5010-24     | SAE100R1             | 1-1/2"    | 12XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5010-32     | SAE100R1             | 2"        | 12XX-32         | 1-piece       | 69.7                | 2.744                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5011-04     | SAE100R1             | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5011-05     | SAE100R1             | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5011-06     | SAE100R1             | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5011-08     | SAE100R1             | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5011-12     | SAE100R1             | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5011-16     | SAE100R1             | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5012-03     | SAE 100R1            | 3/16"     | 12XX-03         | 1-piece       | 14.2                | 0.559                 | Full           | 12  | N/A                   | 9/20/2025     |
| 5012-04     | SAE100R1             | 1/4"      | 12XX-04         | 1-piece       | 16.6                | 0.654                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5012-05     | SAE100R1             | 5/16"     | 12XX-05         | 1-piece       | 18.3                | 0.720                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5012-06     | SAE100R1             | 3/8"      | 12XX-06         | 1-piece       | 21.2                | 0.835                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5012-08     | SAE100R1             | 1/2"      | 12XX-08         | 1-piece       | 24.2                | 0.953                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5012-10     | SAE100R1             | 5/8"      | 12XX-10         | 1-piece       | 27.2                | 1.071                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5012-12     | SAE100R1             | 3/4"      | 12XX-12         | 1-piece       | 31.9                | 1.256                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5012-16     | SAE100R1             | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5012-20     | SAE100R1             | 1-1/4"    | 12XX-20         | 1-piece       | 50.3                | 1.980                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5012-24     | SAE100R1             | 1-1/2"    | 12XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5012-32     | SAE100R1             | 2"        | 12XX-32         | 1-piece       | 69.7                | 2.744                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5020-04     | SAE100R2             | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5020-05     | SAE100R2             | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5020-06     | SAE100R2             | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5020-08     | SAE100R2             | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5020-10     | SAE100R2             | 5/8"      | 12XX-10         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5020-12     | SAE100R2             | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5020-16     | SAE100R2             | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5020-20     | SAE100R2             | 1-1/4"    | 12XX-20         | 1-piece       | 51.3                | 2.020                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5020-24     | SAE100R2             | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5020-32     | SAE100R2             | 2"        | 12XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5021-04     | SAE100R2             | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5021-05     | SAE100R2             | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5021-06     | SAE100R2             | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5021-08     | SAE100R2             | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5021-12     | SAE100R2             | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5021-16     | SAE100R2             | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | N/A                   | 9/20/2025     |

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.



## 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 | Revision Date |
|-------------|-------------|-----------|-----------------|---------------|---------------------|-----------------------|----------------|-----|-----------------------|---------------|
| 5022-04     | SAE100R2    | 1/4"      | 12XX-04         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5022-05     | SAE100R2    | 5/16"     | 12XX-05         | 1-piece       | 19.3                | 0.760                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5022-06     | SAE100R2    | 3/8"      | 12XX-06         | 1-piece       | 22.2                | 0.874                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5022-08     | SAE100R2    | 1/2"      | 12XX-08         | 1-piece       | 25.2                | 0.992                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5022-10     | SAE100R2    | 5/8"      | 12XX-10         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5022-12     | SAE100R2    | 3/4"      | 12XX-12         | 1-piece       | 32.9                | 1.295                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5022-16     | SAE100R2    | 1"        | 12XX-16         | 1-piece       | 41.6                | 1.638                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5022-20     | SAE100R2    | 1-1/4"    | 12XX-20         | 1-piece       | 51.3                | 2.020                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5022-24     | SAE100R2    | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5022-32     | SAE100R2    | 2"        | 12XX-32         | 1-piece       | 70.7                | 2.783                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5040-12     | SAE 100R4   | 3/4"      | 12XX-12         | 1-piece       | 33.7                | 1.325                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5040-16     | SAE 100R4   | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.600                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5040-20     | SAE 100R4   | 1-1/4"    | 12XX-20         | 1-piece       | 48.3                | 1.900                 | Full           | 45  | N/A                   | 9/20/2025     |
| 5040-24     | SAE 100R4   | 1-1/2"    | 12XX-24         | 1-piece       | 57.2                | 2.250                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5040-32     | SAE 100R4   | 2"        | 12XX-32         | 1-piece       | 69.2                | 2.725                 | Full           | 69  | N/A                   | 9/20/2025     |
| 5100-04     | HOT AIR/OIL | 1/4"      | 12XX-04         | 1-piece       | 16.3                | 0.640                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5100-06     | HOT AIR/OIL | 3/8"      | 12XX-06         | 1-piece       | 19.6                | 0.770                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5100-08     | HOT AIR/OIL | 1/2"      | 12XX-08         | 1-piece       | 23.1                | 0.910                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5120-06     | SAE100R12   | 3/8"      | 40XX-06         | 1-piece       | 24.4                | 0.961                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5120-08     | SAE100R12   | 1/2"      | 40XX-08         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5120-10     | SAE100R12   | 5/8"      | 40XX-10         | 1-piece       | 31.2                | 1.228                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5120-12     | SAE100R12   | 3/4"      | 40XX-12         | 1-piece       | 34.6                | 1.362                 | Full           | 34  | N/A                   | 9/20/2025     |
| 5120-16     | SAE100R12   | 1"        | 40XX-16         | 1-piece       | 43.3                | 1.705                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5120-20     | SAE100R12   | 1-1/4"    | 40XX-20         | 1-piece       | 51.7                | 2.035                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5120-24     | SAE100R12   | 1-1/2"    | 40XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5122-06     | SAE100R12   | 3/8"      | 40XX-06         | 1-piece       | 24.4                | 0.961                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5122-08     | SAE100R12   | 1/2"      | 40XX-08         | 1-piece       | 28.2                | 1.110                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5122-10     | SAE100R12   | 5/8"      | 40XX-10         | 1-piece       | 31.2                | 1.228                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5122-12     | SAE100R12   | 3/4"      | 40XX-12         | 1-piece       | 34.6                | 1.362                 | Full           | 34  | N/A                   | 9/20/2025     |
| 5122-16     | SAE100R12   | 1"        | 40XX-16         | 1-piece       | 43.3                | 1.705                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5122-20     | SAE100R12   | 1-1/4"    | 40XX-20         | 1-piece       | 51.7                | 2.035                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5122-24     | SAE100R12   | 1-1/2"    | 40XX-24         | 1-piece       | 58.4                | 2.299                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5130-12     | SAE100R13   | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | N/A                   | 9/20/2025     |
| 5130-16     | SAE100R13   | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5130-20     | SAE100R13   | 1-1/4"    | 60XX-20         | 1-piece       | 53.6                | 2.110                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5132-12     | SAE100R13   | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | N/A                   | 9/20/2025     |
| 5132-16     | SAE100R13   | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5132-20     | SAE100R13   | 1-1/4"    | 60XX-20         | 1-piece       | 54.6                | 2.150                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5152-06     | SAE 100R15  | 3/8"      | 40XX-06         | 1-piece       | 24.4                | 0.961                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5152-08     | SAE 100R15  | 1/2"      | 40XX-08         | 1-piece       | 28.7                | 1.130                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5152-10     | SAE 100R15  | 5/8"      | 40XX-10         | 1-piece       | 31.2                | 1.228                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5152-12     | SAE100R15   | 3/4"      | 60XX-12         | 1-piece       | 35.3                | 1.390                 | Full           | 34  | N/A                   | 9/20/2025     |
| 5152-16     | SAE100R15   | 1"        | 60XX-16         | 1-piece       | 43.2                | 1.701                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5152-20     | SAE100R15   | 1-1/4"    | 60XX-20         | 1-piece       | 54.6                | 2.150                 | Full           | 50  | N/A                   | 9/20/2025     |
| 5160-04     | SAE100R16   | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5160-05     | SAE100R16   | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5160-06     | SAE100R16   | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5160-08     | SAE100R16   | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5160-10     | SAE100R16   | 5/8"      | 12XX-10         | 1-piece       | 27.5                | 1.083                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5160-12     | SAE100R16   | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5160-16     | SAE100R16   | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |

**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.**



## 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 | Revision Date |
|-------------|-----------|-----------|-----------------|---------------|---------------------|-----------------------|----------------|-----|-----------------------|---------------|
| 5161-04     | SAE100R16 | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5161-05     | SAE100R16 | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5161-06     | SAE100R16 | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5161-08     | SAE100R16 | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5161-12     | SAE100R16 | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5161-16     | SAE100R16 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5162-04     | SAE100R16 | 1/4"      | 12XX-04         | 1-piece       | 16.8                | 0.661                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5162-05     | SAE100R16 | 5/16"     | 12XX-05         | 1-piece       | 18.5                | 0.728                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5162-06     | SAE100R16 | 3/8"      | 12XX-06         | 1-piece       | 21.1                | 0.831                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5162-08     | SAE100R16 | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5162-10     | SAE100R16 | 5/8"      | 12XX-10         | 1-piece       | 27.5                | 1.083                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5162-12     | SAE100R16 | 3/4"      | 12XX-12         | 1-piece       | 32.1                | 1.264                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5162-16     | SAE100R16 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5170-04     | SAE100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | N/A                   | 9/20/2025     |
| 5170-05     | SAE100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5170-06     | SAE100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5170-08     | SAE100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5170-10     | SAE100R17 | 5/8"      | 12XX-10         | 1-piece       | 27.7                | 1.091                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5170-12     | SAE100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5170-16     | SAE100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5171-04     | SAE100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | N/A                   | 9/20/2025     |
| 5171-05     | SAE100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5171-06     | SAE100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5171-08     | SAE100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5171-12     | SAE100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5171-16     | SAE100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5172-04     | SAE100R17 | 1/4"      | 12XX-04         | 1-piece       | 16.0                | 0.630                 | Full           | 14  | N/A                   | 9/20/2025     |
| 5172-05     | SAE100R17 | 5/16"     | 12XX-05         | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5172-06     | SAE100R17 | 3/8"      | 12XX-06         | 1-piece       | 20.0                | 0.787                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5172-08     | SAE100R17 | 1/2"      | 12XX-08         | 1-piece       | 23.5                | 0.925                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5172-10     | SAE100R17 | 5/8"      | 12XX-10         | 1-piece       | 27.7                | 1.091                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5172-12     | SAE100R17 | 3/4"      | 12XX-12         | 1-piece       | 32.2                | 1.268                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5172-16     | SAE100R17 | 1"        | 12XX-16         | 1-piece       | 41.1                | 1.618                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5192-04     | SAE100R19 | 1/4"      | 12XX-04         | 1-piece       | 16.9                | 0.665                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5192-06     | SAE100R19 | 3/8"      | 12XX-06         | 1-piece       | 21.0                | 0.827                 | Full           | 19  | N/A                   | 9/20/2025     |
| 5192-08     | SAE100R19 | 1/2"      | 12XX-08         | 1-piece       | 24.8                | 0.976                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5192-10     | SAE100R19 | 5/8"      | 12XX-10         | 1-piece       | 27.8                | 1.094                 | Full           | 27  | N/A                   | 9/20/2025     |
| 5192-12     | SAE100R19 | 3/4"      | 12XX-12         | 1-piece       | 31.8                | 1.252                 | Full           | 31  | N/A                   | 9/20/2025     |
| 5192-16     | SAE100R19 | 1"        | 12XX-16         | 1-piece       | 40.6                | 1.598                 | Full           | 39  | N/A                   | 9/20/2025     |
| 5201-08     | N/A       | 1/2"      | 12XX-08         | 1-piece       | 24.5                | 0.965                 | Full           | 23  | N/A                   | 9/20/2025     |
| 5205-24     | 4SH       | 1-1/2"    | 60XX-24         | 1-piece       | 58.0                | 2.283                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5210-24     | N/A       | 1-1/2"    | 12XX-24         | 1-piece       | 59.4                | 2.339                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5210-24     | N/A       | 1-1/2"    | 6024-24         | 1-piece       | 60.5                | 2.382                 | Full           | 57  | N/A                   | 9/20/2025     |
| 5220-04     | Jack Line | 1/4"      | 1220L-0404      | 1-piece       | 17.6                | 0.693                 | Full           | 16  | N/A                   | 9/20/2025     |
| 5220-06     | Jack Line | 3/8"      | 1220L-0606      | 1-piece       | 22.2                | 0.874                 | Full           | 19  | N/A                   | 9/20/2025     |

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.**



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