



1037



WS-1705A



WS-1710A

WILLIAMS®



## DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

| Product Code | Size (Inches)  | A                       | B                       | C                           | D                       | E                           |
|--------------|----------------|-------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|              |                | Overall Length (Inches) | Open End Width (Inches) | Open End Thickness (Inches) | Open End Width (Inches) | Open End Thickness (Inches) |
| 1020         | 1/4 x 5/16     | 4 1/16                  | 9/16                    | 5/32                        | 1 1/16                  | 3/16                        |
| 1721         | 5/16 x 3/8     | 4 11/16                 | 1 1/16                  | 5/32                        | 1 3/16                  | 3/16                        |
| 1723         | 3/8 x 7/16     | 5 5/16                  | 1 3/16                  | 3/16                        | 1 5/16                  | 7/32                        |
| 1725         | 7/16 x 1/2     | 5 31/32                 | 3/2                     | 7/32                        | 1 1/16                  | 1/4                         |
| 1725B        | 1/2 x 9/16     | 6 19/32                 | 1 1/16                  | 1/4                         | 1 3/16                  | 9/32                        |
| 1727         | 9/16 x 5/8     | 7 9/32                  | 1 3/16                  | 9/32                        | 1 5/16                  | 9/32                        |
| 1027B        | 5/8 x 1 1/16   | 7 31/32                 | 1 5/16                  | 5/16                        | 1 7/16                  | 3/16                        |
| 1729         | 3/4 x 3/4      | 8 9/32                  | 1 5/16                  | 7/32                        | 1 9/16                  | 11/32                       |
| 1729B        | 1 1/16 x 3/4   | 8 21/32                 | 1 7/16                  | 5/16                        | 1 9/16                  | 11/32                       |
| 1731         | 3/4 x 13/16    | 9 11/32                 | 1 9/16                  | 11/32                       | 1 11/16                 | 3/8                         |
| 1731A        | 3/4 x 7/8      | 9 11/16                 | 1 15/32                 | 11/32                       | 1 27/32                 | 3/8                         |
| 1731B        | 13/16 x 7/8    | 10 1/32                 | 1 11/16                 | 3/8                         | 1 13/16                 | 3/8                         |
| 1033A        | 7/8 x 15/16    | 10 3/4                  | 1 13/16                 | 3/8                         | 1 15/16                 | 13/32                       |
| 1033C        | 15/16 x 1      | 11 1/2                  | 1 15/16                 | 13/32                       | 2 1/32                  | 13/32                       |
| 1037         | 1 1/16 x 1 1/4 | 12 19/16                | 2 3/16                  | 7/16                        | 2 17/32                 | 1/2                         |
| 1037B        | 1 1/8 x 1 3/16 | 13 23/32                | 2 5/16                  | 15/32                       | 2 7/16                  | 15/32                       |
| 1038         | 1 1/4 x 1 3/16 | 15 9/32                 | 2 9/16                  | 1/2                         | 2 11/16                 | 17/32                       |
| 1038A        | 1 3/8 x 1 7/16 | 16 1/8                  | 2 13/16                 | 17/32                       | 2 13/16                 | 17/32                       |
| 1039B        | 1 1/2 x 1 3/8  | 18 29/32                | 3 1/16                  | 9/16                        | 3 3/16                  | 19/32                       |

Fed. Spec. ANSI B107.6

### WS-1705A 5 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|--------------|---------------|
| 1723         | 3/8 x 7/16    | 1727         | 9/16 x 5/8    | 1731B        | 13/16 x 7/8   |
| 1725B        | 1/2 x 9/16    | 1729B        | 1 1/16 x 3/4  |              |               |

### WS-1710A 10 Piece Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches)  |
|--------------|---------------|--------------|---------------|--------------|----------------|
| 1020         | 1/4 x 5/16    | 1727         | 9/16 x 5/8    | 1037         | 1 1/16 x 1 1/4 |
| 1723         | 3/8 x 7/16    | 1729B        | 1 1/16 x 3/4  | 1037B        | 1 1/8 x 1 3/16 |
| 1725         | 7/16 x 1/2    | 1731B        | 13/16 x 7/8   |              |                |
| 1725B        | 1/2 x 9/16    | 1033C        | 15/16 x 1     |              |                |

### Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



Made in U.S.A.

DOUBLE OPEN END

WRENCHES



## 15°-60° DOUBLE OPEN END ANGLE-HEAD WRENCHES

Chrome Satin Finish, SAE

| Product Code | Size (Inches) | A<br>Head Diameter | B<br>Head Thickness | C<br>Overall Length (Inches) |
|--------------|---------------|--------------------|---------------------|------------------------------|
| 3712         | 3/8           | 25/32              | 7/32                | 4 3/4                        |
| 3714         | 7/16          | 7/8                | 7/32                | 5                            |
| 3716         | 1/2           | 1                  | 7/32                | 5 1/2                        |
| 3718         | 9/16          | 1 1/8              | 1/4                 | 6                            |
| 3720         | 5/8           | 1 3/16             | 9/32                | 6 1/4                        |
| 3722         | 11/16         | 1 5/16             | 9/32                | 7                            |
| 3724         | 3/4           | 1 7/16             | 9/32                | 7 1/4                        |
| 3726         | 13/16         | 1 15/32            | 9/32                | 7 1/2                        |
| 3728         | 7/8           | 1 21/32            | 9/32                | 8 1/4                        |
| 3730         | 15/16         | 1 25/32            | 5/16                | 9 1/16                       |
| 3732         | 1             | 1 15/16            | 9/16                | 9 3/4                        |
| 3734         | 1 1/16        | 2 1/16             | 5/16                | 10                           |
| 3736         | 1 1/8         | 2 1/4              | 5/16                | 11                           |
| 3740         | 1 1/4         | 2 3/8              | 11/32               | 11 1/2                       |
| 3744         | 1 3/8         | 2 11/16            | 13/32               | 12 1/2                       |
| 3746         | 1 7/16        | 2 11/16            | 13/32               | 12 1/2                       |
| 3748         | 1 1/2         | 2 11/16            | 13/32               | 12 1/2                       |
| 3752         | 1 5/8         | 3 13/64            | 15/32               | 15 3/4                       |
| 3754         | 1 11/16       | 3 11/32            | 1/2                 | 16 1/2                       |
| 3756         | 1 3/4         | 3 7/16             | 17/32               | 17                           |
| 3758         | 1 13/16       | 3 3/16             | 17/32               | 17 3/4                       |
| 3760         | 1 7/8         | 3 11/16            | 9/16                | 18 1/2                       |
| 3764         | 2             | 3 15/16            | 19/32               | 19 1/4                       |

Fed. Spec. ANSI B107.39 Type 2 Class 3



3780



3782

### 3780 5 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|
| 3712         | 3/8           | 3718         | 9/16          |
| 3714         | 7/16          | 3720         | 5/8           |
| 3716         | 1/2           |              |               |

### 3782 10 Piece Double Open End Wrench Set, SAE, in Pouch

Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|
| 3712         | 3/8           | 3722         | 11/16         |
| 3714         | 7/16          | 3724         | 3/4           |
| 3716         | 1/2           | 3726         | 13/16         |
| 3718         | 9/16          | 3728         | 7/8           |
| 3720         | 5/8           | 3732         | 1             |

#### Features

- Wrench heads are offset at 15° and 60° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin chrome finish provides good grip and cleans easily



DOUBLE OPEN END

WRENCHES





EWM-1618



MWS-26



MWS-31



OES-1011



WS-1605

WILLIAMS®



## DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, Metric

| Product Code | Size (MM) | A                       | B                       | C                           | D                       | E                           |
|--------------|-----------|-------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|              |           | Overall Length (Inches) | Open End Width (Inches) | Open End Thickness (Inches) | Open End Width (Inches) | Open End Thickness (Inches) |
| EWM-0607     | 6 x 7     | 3 13/16                 | 17/32                   | 5/32                        | 19/32                   | 5/32                        |
| EWM-0708     | 7 x 8     | 4 3/16                  | 19/32                   | 5/32                        | 11/16                   | 3/16                        |
| EWM-0910     | 9 x 10    | 5                       | 3/4                     | 3/16                        | 27/32                   | 7/32                        |
| EWM-1011     | 10 x 11   | 5 3/8                   | 27/32                   | 7/32                        | 15/16                   | 7/32                        |
| EWM-1213     | 12 x 13   | 6 3/16                  | 1                       | 1/4                         | 1 3/32                  | 1/4                         |
| EWM-1415     | 14 x 15   | 7 1/32                  | 1 1/32                  | 9/32                        | 1 1/4                   | 9/32                        |
| EWM-1618     | 16 x 18   | 8 3/32                  | 1 5/16                  | 5/16                        | 1 15/32                 | 11/32                       |
| EWM-1719     | 17 x 19   | 8 17/32                 | 1 13/32                 | 5/16                        | 1 9/16                  | 11/32                       |
| EWM-2124     | 21 x 24   | 10 17/32                | 1 23/32                 | 3/8                         | 1 15/16                 | 13/32                       |
| EWM-2224     | 22 x 24   | 10 3/4                  | 1 13/16                 | 3/8                         | 1 15/16                 | 13/32                       |
| EWM-2427     | 24 x 27   | 11 29/32                | 1 15/16                 | 13/32                       | 2 3/16                  | 7/16                        |
| EWM-2730     | 27 x 30   | 13 3/16                 | 2 3/16                  | 7/16                        | 2 7/16                  | 13/32                       |
| EWM-3032     | 30 x 32   | 14 1/2                  | 2 7/16                  | 15/32                       | 2 9/16                  | 1/2                         |

Fed. Spec. ANSI B107.9M

### MWS-26 6 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM) |
|--------------|-----------|--------------|-----------|--------------|-----------|
| EWM-0708     | 7 x 8     | EWM-1213     | 12 x 13   | EWM-1618     | 16 x 18   |
| EWM-1011     | 10 x 11   | EWM-1415     | 14 x 15   | EWM-1719     | 17 x 19   |

### MWS-31 10 Piece Double Head Open End Wrench Set, Metric, in Pouch

Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM) |
|--------------|-----------|--------------|-----------|--------------|-----------|
| EWM-0607     | 6 x 7     | EWM-1415     | 14 x 15   | EWM-2427     | 24 x 27   |
| EWM-0708     | 7 x 8     | EWM-1618     | 16 x 18   | EWM-2730     | 27 x 30   |
| EWM-1011     | 10 x 11   | EWM-1719     | 17 x 19   |              |           |
| EWM-1213     | 12 x 13   | EWM-2124     | 21 x 24   |              |           |

### Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



DOUBLE OPEN END

WILLIAMS®



## SHORT DOUBLE HEAD OPEN END WRENCHES

Chrome Satin Finish, SAE

| Product Code | Size (Inches) | A                       | B                       | C                           | D                       | E                           |
|--------------|---------------|-------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
|              |               | Overall Length (Inches) | Open End Width (Inches) | Open End Thickness (Inches) | Open End Width (Inches) | Open End Thickness (Inches) |
| OES-0607     | 3/16 x 7/32   | 2 27/32                 | 13/32                   | 1/8                         | 15/32                   | 1/8                         |
| OES-0809     | 1/4 x 9/32    | 3 3/32                  | 1/2                     | 1/8                         | 9/16                    | 1/8                         |
| OES-1011     | 5/16 x 11/32  | 3 7/16                  | 5/8                     | 5/32                        | 11/16                   | 1/8                         |
| OES-1214     | 3/8 x 7/16    | 3 3/4                   | 3/4                     | 5/32                        | 29/32                   | 1/8                         |
| OES-1618     | 1/2 x 9/16    | 4 11/32                 | 1                       | 3/16                        | 1 1/8                   | 3/16                        |

Fed. Spec. ANSI B107.6

### WS-1605 5 Piece Short Double Head Open End Wrench Set, SAE, in Pouch

Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|--------------|---------------|
| OES-0607     | 3/16 x 7/32   | OES-1011     | 5/16 x 11/32  | OES-1618     | 1/2 x 9/16    |
| OES-0809     | 1/4 x 9/32    | OES-1214     | 3/8 x 7/16    |              |               |

### Features

- Two openings in each wrench with 45° chamfer on wrench ends allow easy placement of wrench on the fastener.
- Continuous arc design minimizes spreading and is stronger than "V" design.
- Satin chrome finish provides good grip and cleans easily.



WRENCHES





## MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, SAE

| Product Code | Size (Inches) | Overall Length (Inches) | Open End Width (Inches) | Open End Thickness (Inches) | Open End Width (Inches) | Open End Thickness (Inches) |
|--------------|---------------|-------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
| 1112A        | 3/16          | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1113A        | 1/8           | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1114A        | 7/32          | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1115A        | 1/4           | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1116A        | 5/16          | 3 1/2                   | 5/8                     | 9/64                        | 5/8                     | 9/64                        |
| 1118A        | 3/8           | 3 1/2                   | 5/8                     | 9/64                        | 5/8                     | 9/64                        |
| 1120A        | 1/2           | 3 3/4                   | 3/4                     | 9/64                        | 3/4                     | 9/64                        |
| 1122A        | 5/8           | 4 7/16                  | 7/8                     | 11/64                       | 7/8                     | 11/64                       |
| 1124A        | 3/4           | 4 7/8                   | 1 1/8                   | 13/64                       | 1 1/8                   | 13/64                       |
| 1128A        | 7/8           | 5 3/4                   | 1 3/2                   | 13/64                       | 1 3/2                   | 13/64                       |
| 1132A        | 1 1/8         | 5 3/4                   | 1 3/2                   | 13/64                       | 1 3/2                   | 13/64                       |
| 1136A        | 1 1/4         | 5 3/4                   | 1 3/2                   | 13/64                       | 1 3/2                   | 13/64                       |
| 1140A        | 1 1/2         | 5 3/4                   | 1 3/2                   | 13/64                       | 1 3/2                   | 13/64                       |

### Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.
- Excellent for fast turning of fasteners in limited clearance areas.
- Each wrench has the same size opening at both ends.



1128A



WS-1108SP

### WS-1108SP 8 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

#### Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|--------------|---------------|
| 1114A        | 7/32          | 1118A        | 9/32          | 1124A        | 3/8           |
| 1115A        | 1/4           | 1120A        | 5/16          | 1128A        | 7/16          |
| 1116A        | 1/4           | 1122A        | 11/32         |              |               |



WS-1113CA

### WS-1113CA 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

#### Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches)                 |
|--------------|---------------|--------------|---------------|--------------|-------------------------------|
| 1112A        | 3/16          | 1116A        | 1/4           | 1124A        | 3/8                           |
| 1113A        | 1/8           | 1118A        | 9/32          | PL-1519C     | 5" SUPERJOINT® Utility Pliers |
| 1114A        | 7/32          | 1120A        | 5/16          |              |                               |
| 1115A        | 1/4           | 1122A        | 11/32         |              |                               |

### WS-1142PCA 14 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

#### Contents Include:

| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches)                 |
|--------------|---------------|--------------|---------------|--------------|-------------------------------|
| 1112A        | 3/16          | 1118A        | 9/32          | 1132A        | 1/2                           |
| 1113A        | 1/8           | 1120A        | 5/16          | 1136A        | 9/16                          |
| 1114A        | 7/32          | 1122A        | 11/32         | 1140A        | 5/8                           |
| 1115A        | 1/4           | 1124A        | 3/8           | PL-1519C     | 5" SUPERJOINT® Utility Pliers |
| 1116A        | 1/4           | 1128A        | 7/16          |              |                               |



WS-1142PCA



WILLIAMS®

## MINIATURE 15° x 80° DOUBLE HEAD OPEN END WRENCHES

Satin Chrome Finish, MM



MWS-1110

| Product Code | Size (MM) | Overall Length (Inches) | Open End Width (Inches) | Open End Thickness (Inches) | Open End Width (Inches) | Open End Thickness (Inches) |
|--------------|-----------|-------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
| 1104MM       | 4         | 3                       | 1/2                     | 3/64                        | 1/2                     | 3/64                        |
| 1105MM       | 5         | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1105.5MM     | 5.5       | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1106MM       | 6         | 3                       | 1/2                     | 7/64                        | 1/2                     | 7/64                        |
| 1107MM       | 7         | 3 1/2                   | 5/8                     | 9/64                        | 5/8                     | 9/64                        |
| 1108MM       | 8         | 3 1/2                   | 5/8                     | 9/64                        | 5/8                     | 9/64                        |
| 1109MM       | 9         | 3 3/4                   | 3/4                     | 9/64                        | 3/4                     | 9/64                        |
| 1110MM       | 10        | 4 7/16                  | 7/16                    | 11/64                       | 7/16                    | 11/64                       |
| 1111MM       | 11        | 4 7/16                  | 7/16                    | 11/64                       | 7/16                    | 11/64                       |
| 1112MM       | 12        | 4 7/16                  | 7/16                    | 11/64                       | 7/16                    | 11/64                       |
| 1113MM       | 13        | 4 7/16                  | 7/16                    | 11/64                       | 7/16                    | 11/64                       |
| 1114MM       | 14        | 5 3/4                   | 1 5/32                  | 13/64                       | 1 5/32                  | 13/64                       |
| 1115MM       | 15        | 5 3/4                   | 1 5/32                  | 13/64                       | 1 5/32                  | 13/64                       |
| 1116MM       | 16        | 5 3/4                   | 1 5/32                  | 13/64                       | 1 5/32                  | 13/64                       |

### Features

- Wrench heads are offset at 15° and 80° to the handle
- Both ends are the same size to permit the wrench to be used in four different positions
- 45° chamfer on wrench ends allow easy placement of wrench on the fastener
- Continuous arc design minimizes spreading and is stronger than "V" design
- Thin head is perfect for tight clearances
- Satin finish provides corrosion resistance and slip resistant grip.

### MWS-1110 10 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

#### Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM)                    |
|--------------|-----------|--------------|-----------|--------------|------------------------------|
| 1104MM       | 4         | 1107MM       | 7         | 1111MM       | 11                           |
| 1105MM       | 5         | 1108MM       | 8         | PL-1519C     | 5" SUPERJOINT Utility Pliers |
| 1105.5MM     | 5.5       | 1109MM       | 9         |              |                              |
| 1106MM       | 6         | 1110MM       | 10        |              |                              |

### MWS-1115 15 Piece Mini Double Open End Wrench & Plier Set, SAE, in Pouch

#### Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM)                    |
|--------------|-----------|--------------|-----------|--------------|------------------------------|
| 1104MM       | 4         | 1108MM       | 8         | 1113MM       | 13                           |
| 1105MM       | 5         | 1109MM       | 9         | 1114MM       | 14                           |
| 1105.5MM     | 5.5       | 1110MM       | 10        | 1115MM       | 15                           |
| 1106MM       | 6         | 1111MM       | 11        | 1116MM       | 16                           |
| 1107MM       | 7         | 1112MM       | 12        | PL-1519C     | 5" SUPERJOINT Utility Pliers |



MWS-1115

DOUBLE OPEN END

WRENCHES

### 30° SERVICE WRENCHES, SAE



#### Satin Chrome Finish, SAE

| Product Code | Size (Inches) | Overall Length (Inches) | Head Diameter | Head Thickness |
|--------------|---------------|-------------------------|---------------|----------------|
| 3524         | 3/4           | 6 1/4                   | 1 1/16        | 1/4            |
| 3526         | 13/16         | 6 1/4                   | 1 1/16        | 1/4            |
| 3528         | 7/8           | 6 1/4                   | 1 1/16        | 1/4            |
| 3530         | 15/16         | 6 7/8                   | 1 7/8         | 1/4            |
| 3532         | 1             | 6 7/8                   | 1 7/8         | 1/4            |
| 3534         | 1 1/16        | 6 7/8                   | 1 7/8         | 1/4            |
| 3536         | 1 1/8         | 7                       | 2 1/16        | 1/4            |
| 3538         | 1 3/16        | 7                       | 2 1/16        | 1/4            |
| 3540         | 1 1/4         | 7                       | 2 1/16        | 1/4            |
| 3542         | 1 5/16        | 7 3/8                   | 2 1/2         | 9/32           |
| 3544         | 1 3/8         | 7 3/8                   | 2 1/2         | 9/32           |
| 3546         | 1 7/16        | 7 3/8                   | 2 1/2         | 9/32           |
| 3548         | 1 1/2         | 7 3/8                   | 2 1/2         | 9/32           |
| 3550         | 1 9/16        | 7 3/8                   | 2 5/8         | 9/32           |
| 3552         | 1 3/8         | 7 3/8                   | 2 5/8         | 9/32           |
| 3554         | 1 11/16       | 7 3/8                   | 2 5/8         | 9/32           |
| 3556         | 1 3/4         | 8 1/2                   | 3 1/8         | 5/16           |
| 3558         | 1 13/16       | 8 1/2                   | 3 1/8         | 5/16           |
| 3560         | 1 7/8         | 8 1/2                   | 3 1/8         | 5/16           |
| 3562         | 1 15/16       | 8 1/2                   | 3 1/8         | 5/16           |
| 3564         | 2             | 8 1/2                   | 3 1/2         | 5/16           |
| 3568         | 2 1/8         | 8 1/2                   | 3 1/2         | 5/16           |
| 3572         | 2 1/4         | 8 1/2                   | 3 1/2         | 5/16           |
| 3576         | 2 3/8         | 9 1/2                   | 3 1/2         | 5/16           |

Fed. Spec: GGG-W-636E Type 17 Class 3



3542



WS-3510

#### WS-3510 10 Piece Service Wrench Set, SAE in Pouch

##### Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM) |
|--------------|-----------|--------------|-----------|--------------|-----------|
| 3524         | 3/4       | 3532         | 1         | 3538         | 1 3/4     |
| 3526         | 13/16     | 3534         | 1 1/8     | 3540         | 1 1/4     |
| 3528         | 7/8       | 3536         | 1 1/8     | 3544         | 1 3/8     |
| 3530         | 15/16     |              |           |              |           |

### 30° SERVICE WRENCHES, METRIC



#### Satin Chrome Finish, Metric

| Product Code | Size (Inches) | Overall Length (Inches) | Head Diameter | Head Thickness |
|--------------|---------------|-------------------------|---------------|----------------|
| 3519M        | 19            | 6 1/4                   | 1 1/16        | 1/4            |
| 3521M        | 21            | 6 1/4                   | 1 1/16        | 1/4            |
| 3522M        | 22            | 6 1/4                   | 1 1/16        | 1/4            |
| 3524M        | 24            | 6 7/8                   | 1 7/8         | 1/4            |
| 3527M        | 27            | 6 7/8                   | 1 7/8         | 1/4            |
| 3530M        | 30            | 7                       | 2 1/16        | 1/4            |
| 3532M        | 32            | 7                       | 2 1/16        | 1/4            |
| 3536M        | 36            | 7 3/8                   | 2 1/2         | 9/32           |
| 3537M        | 37            | 7 3/8                   | 2 1/2         | 9/32           |
| 3538M        | 38            | 7 3/8                   | 2 1/2         | 9/32           |
| 3540M        | 40            | 7 3/8                   | 2 3/8         | 9/32           |
| 3541M        | 41            | 7 3/8                   | 2 3/8         | 9/32           |
| 3542M        | 42            | 7 3/8                   | 2 3/8         | 9/32           |
| 3544M        | 44            | 7 3/8                   | 2 3/8         | 9/32           |
| 3546M        | 46            | 8 1/2                   | 3 1/8         | 5/16           |
| 3548M        | 48            | 8 1/2                   | 3 1/8         | 5/16           |
| 3550M        | 50            | 8 1/2                   | 3 1/8         | 5/16           |
| 3552M        | 52            | 8 1/2                   | 3 1/2         | 5/16           |
| 3555M        | 55            | 8 1/2                   | 3 1/2         | 5/16           |
| 3560M        | 60            | 9 1/2                   | 3 1/2         | 5/16           |
| 3565M        | 65            | 9 1/2                   | 3 1/2         | 5/16           |

Fed. Spec: GGG-W-636E Type 17 Class 3



3537M



MWS-3510

#### MWS-3510 10 Piece Service Wrench Set, MM in Pouch

##### Contents Include:

| Product Code | Size (MM) | Product Code | Size (MM) | Product Code | Size (MM) |
|--------------|-----------|--------------|-----------|--------------|-----------|
| 3519M        | 19        | 3527M        | 27        | 3536M        | 36        |
| 3521M        | 21        | 3530M        | 30        | 3538M        | 38        |
| 3522M        | 22        | 3532M        | 32        | 3540M        | 40        |
| 3524M        | 24        |              |           |              |           |

##### Features

- Ultra thin pattern for use on jam nuts and access to confined areas
- 30° offset head
- Satin chrome finish



Made in U.S.A.





## DOUBLE HEAD 10° OFFSET BOX END WRENCHES

Chrome Satin Finish, 12 Point, SAE

| Product Code | Size (Inches)  | A<br>Overall Length<br>(Inches) | B<br>Box End<br>Diameter<br>(Inches) | C<br>Box End<br>Thickness<br>(Inches) | D<br>Box End<br>Diameter<br>(Inches) | E<br>Box End<br>Thickness<br>(Inches) |
|--------------|----------------|---------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| 7723         | 3/8 x 7/16     | 7 3/8                           | 19/32                                | 5/16                                  | 21/32                                | 11/32                                 |
| 7725B        | 1/2 x 9/16     | 8 11/16                         | 3/4                                  | 3/8                                   | 27/32                                | 3/8                                   |
| 7727A        | 5/8 x 11/16    | 10 3/32                         | 29/32                                | 7/16                                  | 1                                    | 15/32                                 |
| 7029B        | 11/16 x 3/4    | 10 15/16                        | 1                                    | 15/32                                 | 1 3/32                               | 1/2                                   |
| 7731A        | 3/4 x 7/8      | 12 1/32                         | 1 3/32                               | 1/2                                   | 1 1/4                                | 9/16                                  |
| 7731B        | 13/16 x 7/8    | 12 13/32                        | 1 3/16                               | 17/32                                 | 1 1/4                                | 9/16                                  |
| 7033C        | 15/16 x 1      | 14 1/8                          | 1 11/32                              | 15/32                                 | 1 7/16                               | 5/8                                   |
| 7038         | 1 1/8 x 1 3/16 | 16 3/32                         | 1 19/32                              | 1 1/16                                | 1 11/16                              | 1 1/16                                |
| 7039B        | 1 1/4 x 1 5/16 | 17 5/8                          | 1 25/32                              | 23/32                                 | 1 27/32                              | 3/4                                   |

Fed. Spec. ANSI B107.6

### WS-7707 7 Piece Double Head 10° Offset Box End Wrench Set, SAE, in Pouch

#### Contents Include:

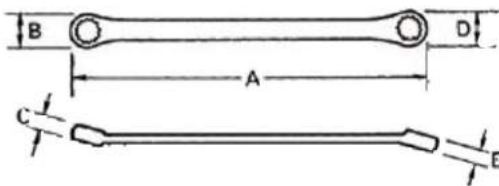
| Product Code | Size (Inches) | Product Code | Size (Inches) | Product Code | Size (Inches) |
|--------------|---------------|--------------|---------------|--------------|---------------|
| 7723         | 3/8 x 7/16    | 7029B        | 11/16 x 3/4   | 7033C        | 15/16 x 1     |
| 7725B        | 1/2 x 9/16    | 7731A        | 3/4 x 7/8     |              |               |
| 7727A        | 5/8 x 11/16   | 7731B        | 13/16 x 7/8   |              |               |



7725B

#### Features

- SUPERTORQUE® box opening design allows application of higher torque without rounding or deforming hex fastener points. No contact is made at the corners. Instead, wrenching forces are placed on the flat surfaces behind the points.
- 10° offset box end allows clearance in tight areas.
- Sizes are clearly marked on handle ends.



WS-7707

DOUBLE BOX END

WRENCHES