

# 1/2" DRIVE SOCKETS & ATTACHMENTS

## Closed Back Design Ratchet

### FEATURES

#### Greater Performance

Up to 64% more torque versus our previous generation ratchets

#### Protected for life

Our in-house nickel-plating process delivers a jewelry like finish and industry leading corrosion protection.

#### Less Downtime

The closed back design prevents dirt and debris from damaging the ratcheting mechanism resulting in superior tool life.

#### Sleeker Design

New contour handle, thinner head and compact design make it ultra comfortable to hold and use.

#### Ideal For Any Application

Available in 20, 32, and 40 tooth designs allowing you to select the right tool for the job.



## Reversible Ratchet

| Part No. | Description                           | Length |
|----------|---------------------------------------|--------|
| 8720     | Reversible ratchet, 20 tooth - Chrome | 10"    |
| 8732     | Reversible ratchet, 32 tooth - Chrome | 10"    |
| 8740     | Reversible ratchet, 40 tooth - Chrome | 10"    |
| 8740B    | Reversible ratchet, 40 tooth - Black  | 10"    |

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## Long Reversible Ratchet

| Part No. | Description                           | Length |
|----------|---------------------------------------|--------|
| 8720L    | Reversible ratchet, 20 tooth - Chrome | 15"    |
| 8732L    | Reversible ratchet, 32 tooth - Chrome | 15"    |
| 8740L    | Reversible ratchet, 40 tooth - Chrome | 15"    |
| 8740LB   | Reversible ratchet, 40 tooth - Black  | 15"    |

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## Screwdriver Handle Ratchet

| Part No. | Description                                                         | Length  |
|----------|---------------------------------------------------------------------|---------|
| 31840    | Reversible Ratchet, 20 tooth - Chrome with Orange Florescent Handle | 11 1/4" |



## Screwdriver Handle Round Head Ratchet

| Part No. | Description                                                         | Length  |
|----------|---------------------------------------------------------------------|---------|
| 31872    | Reversible Ratchet, 72 tooth - Chrome with Orange Florescent Handle | 10 1/2" |

# 1/2" DRIVE SOCKETS & ATTACHMENTS



### Reversible Ratchet - Flexible Head

| Part No. | Description                            | Length  |
|----------|----------------------------------------|---------|
| 8799F    | Flex handle ratchet, 40 tooth - Chrome | 14 1/2" |



### Linemans Ratchet

| Part No. | Description                         | Length |
|----------|-------------------------------------|--------|
| 8740HS   | Linemans ratchet, 40 tooth - Chrome | 10"    |



### Miners Ratchet

| Part No. | Description                                              | Length |
|----------|----------------------------------------------------------|--------|
| 8740KLB  | Reversible ratchet, 40 tooth - Black with knurled handle | 15"    |



### Flex Handle

| Part No. | Description          | Length |
|----------|----------------------|--------|
| 653      | Flex handle - Chrome | 15"    |
| 653B     | Flex handle - Black  | 15"    |
| 653L     | Flex handle - Chrome | 18"    |
| 653LB    | Flex handle - Black  | 18"    |

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### Speeder

| Part No. | Description | Length  |
|----------|-------------|---------|
| 686      | Speeder     | 19 1/4" |

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### Sliding T Handle

| Part No. | Description        | Length |
|----------|--------------------|--------|
| 699      | Sliding "T" handle | 11"    |

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# 1/2" DRIVE SOCKETS & ATTACHMENTS



## Hex Drive Extension

| Part No. | Hex Male | Square Male | Length |
|----------|----------|-------------|--------|
| 79300    | 7/16"    | 1/2"        | 2 1/8" |
| 79303    | 7/16"    | 1/2"        | 3"     |
| 79305    | 7/16"    | 1/2"        | 5"     |

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## 43505 5 Pieces 1/2" Drive Torque Limiting Extension Set

| Part No. | Description       | Colour | Length |
|----------|-------------------|--------|--------|
| P4-065T  | 65ft/lbs (90nm)   | Yellow | 7 3/4" |
| P4-080T  | 80ft/lbs (110nm)  | Blue   | 7 3/4" |
| P4-100T  | 100ft/lbs (135nm) | Grey   | 7 3/4" |
| P4-120T  | 120ft/lbs (160nm) | White  | 7 3/4" |
| P4-140T  | 140ft/lbs (190nm) | Aqua   | 7 3/4" |



## Chrome Extensions

| Part No. | Description             | Length |
|----------|-------------------------|--------|
| 718S     | Chrome Extension        | 2"     |
| 718      | Chrome Extension        | 5"     |
| 719      | Chrome Extension        | 10"    |
| 715      | Chrome Extension        | 15"    |
| 720      | Chrome Extension        | 20"    |
| 718SW    | Chrome Wobble Extension | 2"     |
| 718W     | Chrome Wobble Extension | 5"     |
| 719W     | Chrome Wobble Extension | 10"    |

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## 71835 3 Pieces Chrome Extension Set

| Part No. | Description      | Length |
|----------|------------------|--------|
| 718      | Chrome Extension | 5"     |
| 719      | Chrome Extension | 10"    |
| 715      | Chrome Extension | 15"    |



## 12003S 3 Pieces Wobble Extension Set

| Part No. | Description             | Length |
|----------|-------------------------|--------|
| 718SW    | Chrome Wobble Extension | 2"     |
| 718W     | Chrome Wobble Extension | 5"     |
| 719W     | Chrome Wobble Extension | 10"    |



## Universal Joint

| Part No. | Description     | Length |
|----------|-----------------|--------|
| 709      | Universal Joint | 2 7/8" |

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# 1/2" DRIVE SOCKETS & ATTACHMENTS



### Ratchet Adapter

| Part No. | Description                | Length |
|----------|----------------------------|--------|
| 797      | Reversible Ratchet Adapter | 2 1/2" |



### Chrome Swivel Universal Joint

| Part No. | Female | Male | Length |
|----------|--------|------|--------|
| SWJ12    | 1/2"   | 1/2" | 2 3/8" |



### SWJ3S

### 3 Pieces Chrome Swivel Universal Joint Set

| Part No. | Description            | Length |
|----------|------------------------|--------|
| SWJ14    | 1/4" Female, 1/4" Male | 1 1/4" |
| SWJ38    | 3/8" Female, 3/8" Male | 1 3/4" |
| SWJ12    | 1/2" Female, 1/2" Male | 2 3/8" |

Includes foam tray organizer.



### Adapter - Chrome

| Part No. | Description | Female | Male | Length   |
|----------|-------------|--------|------|----------|
| 4206*    | Adapter     | 1/2"   | 3/8" | 1 21/32" |
| 4298     | Adapter     | 1/2"   | 3/4" | 1 3/4"   |

\* Due to the nature of the product this item is not warranted.  
Federal Spec. U.S. GGG-W-641E ANSI Spec. B107.10M



### Spark Plug Socket

| Part No. | Description              | Length |
|----------|--------------------------|--------|
| LD20R    | Hex size: 5/8", Chrome   | 2 1/2" |
| LD26R    | Hex size: 13/16", Chrome | 3"     |



### Screwdriver Socket

| Part No. | Tip Size   | Overall length | Bit Length | Replacement Bit Part No. |
|----------|------------|----------------|------------|--------------------------|
| 734      | 1/2 x .075 | 4 3/16"        | 2 9/16"    | 734-BIT                  |

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### Drag Link Socket

| Part No. | Description           | Length  |
|----------|-----------------------|---------|
| 405A     | .109 x 3/4, Chrome    | 1 9/16" |
| 405      | .150 x 15/16, Chrome  | 1 9/16" |
| 405B     | .150 x 1 3/16, Chrome | 1 9/16" |



### Penta Socket

| Part No. | Description                     | Length |
|----------|---------------------------------|--------|
| 31980    | For Utilities - 5 Sided, Chrome | 1 1/4" |

2591A



19

### Stud Remover

| Part No. | Description            | Length |
|----------|------------------------|--------|
| 2591A    | 1/2" Dr. 1/4" to 9/16" | 2"     |
| 19       | 1/2" Dr. 1/4" to 3/4"  | 2"     |



### Impact Extensions - Black Finish

| Part No. | Description      | Square Female | Square Male | Length |
|----------|------------------|---------------|-------------|--------|
| P4-105A  | Impact Extension | 1/2"          | 1/2"        | 5"     |
| P4-110A  | Impact Extension | 1/2"          | 1/2"        | 10"    |



### Universal Joint - Impact - Black Finish

| Part No. | Description     | Square Female | Square Male | Length   |
|----------|-----------------|---------------|-------------|----------|
| P4-140A* | Universal Joint | 1/2"          | 1/2"        | 2 11/32" |

\* Due to the nature of the product this item is not warranted.



### Adapters - Impact - Black Finish

| Part No. | Description | Square Female | Square Male | Length  |
|----------|-------------|---------------|-------------|---------|
| PA4-2A*  | Adapter     | 1/2"          | 3/8"        | 1 1/2"  |
| PA4-6*   | Adapter     | 1/2"          | 3/4"        | 1 7/8"  |
| PA6-4*   | Adapter     | 3/4"          | 1/2"        | 2 3/16" |

\* Due to the nature of the product this item is not warranted.

# 1/2" DRIVE SOCKETS & ATTACHMENTS

## 6 & 12 Point Standard Length

| Hex Size | 6 Point Part No. | 12 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|----------|------------------|-------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"     | 406              | 1406              | 1.50                 | 0.87            | 0.59          | 0.35               | 0.32                 |
| 7/16"    | 407              | 1407              | 1.50                 | 0.87            | 0.67          | 0.47               | 0.35                 |
| 1/2"     | 408              | 1408              | 1.50                 | 0.87            | 0.75          | 0.47               | 0.43                 |
| 9/16"    | 409              | 1409              | 1.50                 | 0.94            | 0.83          | 0.47               | 0.32                 |
| 5/8"     | 410              | 1410              | 1.50                 | 0.94            | 0.91          | 0.47               | 0.49                 |
| 11/16"   | 411              | 1411              | 1.50                 | 0.94            | 0.94          | —                  | 0.58                 |
| 3/4"     | 412              | 1412              | 1.50                 | 1.02            | 1.02          | —                  | 0.69                 |
| 13/16"   | 413              | 1413              | 1.50                 | 1.14            | 1.14          | —                  | 0.70                 |
| 7/8"     | 414              | 1414              | 1.50                 | 1.18            | 1.18          | —                  | 0.76                 |
| 15/16"   | 415              | 1415              | 1.75                 | 1.26            | 1.26          | —                  | 0.86                 |
| 1"       | 432              | 1432              | 1.75                 | 1.38            | 1.38          | —                  | 0.90                 |
| 1 1/16"  | 433              | 1433              | 2.00                 | 1.42            | 1.42          | —                  | 0.98                 |
| 1 1/8"   | 434              | 1434              | 2.00                 | 1.54            | 1.54          | —                  | 1.05                 |
| 1 3/16"  | 435              | 1435              | 2.00                 | 1.57            | 1.57          | —                  | 1.10                 |
| 1 1/4"   | 436              | 1436              | 2.00                 | 1.65            | 1.65          | —                  | 1.18                 |
| 1 5/16"  | 437              | 1437              | 2.00                 | 1.77            | 1.77          | —                  | —                    |
| 1 3/8"   | 438              | 1438              | 2.00                 | 1.85            | 1.85          | —                  | 1.27                 |
| 1 7/16"  | 439              | 1439              | 2.00                 | 1.93            | 1.93          | —                  | 1.11                 |
| 1 1/2"   | 440              | 1440              | 2.00                 | 1.97            | 1.97          | —                  | —                    |



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## 6 & 12 Point Deep Length

| Hex Size | 6 Point Part No. | 12 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|----------|------------------|-------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"     | LDS12            | LD12              | 3.07                 | 0.87            | 0.59          | 0.55               | 0.32                 |
| 7/16"    | LDS14            | LD14              | 3.07                 | 0.87            | 0.67          | 0.55               | 0.37                 |
| 1/2"     | LDS16            | LD16              | 3.07                 | 0.87            | 0.75          | 0.55               | 0.39                 |
| 9/16"    | LDS18            | LD18              | 3.07                 | 0.94            | 0.83          | 0.67               | 0.48                 |
| 5/8"     | LDS20            | LD20              | 3.07                 | 0.94            | 0.91          | 0.67               | 0.50                 |
| 11/16"   | LDS22            | LD22              | 3.07                 | 0.94            | 0.94          | 0.67               | 0.61                 |
| 3/4"     | LDS24            | LD24              | 3.07                 | 1.02            | 1.02          | 0.75               | 0.68                 |
| 13/16"   | LDS26            | LD26              | 3.07                 | 1.14            | 1.14          | 0.94               | 0.72                 |
| 7/8"     | LDS28            | LD28              | 3.07                 | 1.18            | 1.18          | 0.94               | 0.79                 |
| 15/16"   | LDS30            | LD30              | 3.07                 | 1.26            | 1.26          | 0.94               | 0.85                 |
| 1"       | LDS32            | LD32              | 3.07                 | 1.38            | 1.38          | 0.94               | 0.90                 |
| 1 1/16"  | LDS34            | LD34              | 3.07                 | 1.42            | 1.42          | 0.94               | 0.79                 |
| 1 1/8"   | LDS36            | LD36              | 3.07                 | 1.54            | 1.54          | 0.94               | 1.08                 |
| 1 3/16"  | LDS38            | LD38              | 3.07                 | 1.57            | 1.57          | 0.94               | 1.11                 |
| 1 1/4"   | LDS40            | LD40              | 3.07                 | 1.65            | 1.65          | 0.94               | 1.20                 |
| 1 5/16"  | LDS42            | LD42              | 3.07                 | 1.77            | 1.77          | 0.94               | —                    |
| 1 3/8"   | LDS44            | LD44              | 3.07                 | 1.85            | 1.85          | 0.94               | 1.04                 |
| 1 7/16"  | LDS46            | LD46              | 3.07                 | 1.93            | 1.93          | 0.94               | —                    |
| 1 1/2"   | LDS48            | LD48              | 3.07                 | 1.97            | 1.97          | 0.94               | 1.42                 |



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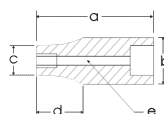
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# 1/2" DRIVE SOCKETS & ATTACHMENTS

## 6 & 12 Point Standard Length

| Hex Size | 6 Point Part No. | 12 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c | Taper Length mm d | Bolt Clearance mm e |
|----------|------------------|-------------------|---------------------|----------------|--------------|-------------------|---------------------|
| 10mm     | M1210H           | M1210             | 38                  | 23             | 15           | 19                | 7                   |
| 11mm     | M1211H           | M1211             | 38                  | 23             | 16           | 19                | 8                   |
| 12mm     | M1212H           | M1212             | 38                  | 23             | 18           | 19                | 9                   |
| 13mm     | M1213H           | M1213             | 38                  | 23             | 19           | 19                | 9                   |
| 14mm     | M1214H           | M1214             | 38                  | 23             | 21           | 19                | 10                  |
| 15mm     | M1215H           | M1215             | 38                  | 23             | 22           | 19                | 11                  |
| 16mm     | M1216H           | M1216             | 38                  | 23             | 23           | —                 | 12                  |
| 17mm     | M1217H           | M1217             | 38                  | 24             | 24           | —                 | 12                  |
| 18mm     | M1218H           | M1218             | 38                  | 25             | 25           | —                 | 13                  |
| 19mm     | M1219H           | M1219             | 38                  | 27             | 27           | —                 | 13                  |
| 20mm     | M1220H           | M1220             | 38                  | 28             | 28           | —                 | 13                  |
| 21mm     | M1221H           | M1221             | 38                  | 29             | 29           | —                 | 15                  |
| 22mm     | M1222H           | M1222             | 38                  | 30             | 30           | —                 | 16                  |
| 23mm     | M1223H           | M1223             | 38                  | 32             | 32           | —                 | 16                  |
| 24mm     | M1224H           | M1224             | 44                  | 33             | 33           | —                 | 16                  |
| 25mm     | M1225H           | M1225             | 44                  | 35             | 35           | —                 | 18                  |
| 26mm     | M1226H           | M1226             | 44                  | 36             | 36           | —                 | 18                  |
| 27mm     | M1227H           | M1227             | 44                  | 36             | 36           | —                 | 19                  |
| 28mm     | M1228H           | M1228             | 44                  | 38             | 38           | —                 | 20                  |
| 29mm     | M1229H           | —                 | 44                  | 40             | 40           | —                 | 20                  |
| 30mm     | M1230H           | M1230             | 44                  | 41             | 41           | —                 | 20                  |
| 31mm     | M1231H           | —                 | 44                  | 43             | 43           | —                 | 20                  |
| 32mm     | M1232H           | M1232             | 51                  | 44             | 44           | —                 | 20                  |
| 36mm     | M1236H           | M1236             | 57                  | 49             | 49           | —                 | 23                  |

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## 6 & 12 Point Deep Length

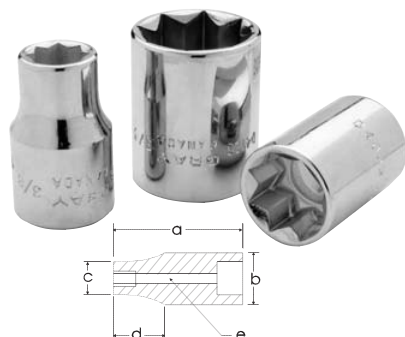
| Hex Size | 6 Point Part No. | 12 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c | Taper Length mm d | Bolt Clearance mm e |
|----------|------------------|-------------------|---------------------|----------------|--------------|-------------------|---------------------|
| 10mm     | MD1210H          | MD1210            | 83                  | 23             | 14           | 19                | 7                   |
| 11mm     | —                | MD1211            | 83                  | 23             | 17           | 19                | 8                   |
| 12mm     | MD1212H          | MD1212            | 83                  | 23             | 17           | 19                | 9                   |
| 13mm     | MD1213H          | MD1213            | 83                  | 23             | 19           | 19                | 9                   |
| 14mm     | MD1214H          | MD1214            | 83                  | 23             | 21           | 19                | 10                  |
| 15mm     | MD1215H          | MD1215            | 83                  | 23             | 22           | 19                | 11                  |
| 16mm     | MD1216H          | MD1216            | 83                  | 23             | 23           | —                 | 12                  |
| 17mm     | MD1217H          | MD1217            | 83                  | 24             | 24           | —                 | 12                  |
| 18mm     | MD1218H          | MD1218            | 83                  | 25             | 25           | —                 | 13                  |
| 19mm     | MD1219H          | MD1219            | 83                  | 27             | 27           | —                 | 13                  |
| 20mm     | MD1220H          | MD1220            | 83                  | 28             | 28           | —                 | 13                  |
| 21mm     | MD1221H          | MD1221            | 83                  | 29             | 29           | —                 | 15                  |
| 22mm     | MD1222H          | MD1222            | 83                  | 30             | 30           | —                 | 16                  |
| 23mm     | MD1223H          | MD1223            | 83                  | 31             | 31           | —                 | 16                  |
| 24mm     | MD1224H          | MD1224            | 83                  | 33             | 33           | —                 | 16                  |
| 25mm     | MD1225H          | MD1225            | 83                  | 35             | 35           | —                 | 18                  |
| 26mm     | MD1226H          | MD1226            | 83                  | 36             | 36           | —                 | 18                  |
| 27mm     | MD1227H          | MD1227            | 83                  | 36             | 36           | —                 | 20                  |
| 28mm     | MD1228H          | —                 | 83                  | 38             | 38           | —                 | 19                  |
| 29mm     | MD1229H          | —                 | 83                  | 39             | 39           | —                 | 20                  |
| 30mm     | MD1230H          | —                 | 83                  | 40             | 40           | —                 | 21                  |

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# 1/2" DRIVE SOCKETS & ATTACHMENTS



## Double Square - Standard Length

| Hex Size | 8 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|----------|------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"     | D406S            | 1.50                 | 0.9             | 0.69          | 0.68               | 0.28                 |
| 7/16"    | D407S            | 1.50                 | 0.9             | 0.82          | 0.68               | 0.28                 |
| 1/2"     | D408S            | 1.50                 | 0.9             | 0.90          | —                  | 0.34                 |
| 9/16"    | D409S            | 1.50                 | 0.98            | 0.98          | —                  | 0.40                 |
| 5/8"     | D410S            | 1.50                 | 1.12            | 1.12          | —                  | 0.46                 |
| 11/16"   | D411S            | 1.50                 | 1.25            | 1.25          | —                  | 0.46                 |
| 3/4"     | D412S            | 1.50                 | 1.30            | 1.30          | —                  | 0.53                 |

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## Hex Head Sockets - Standard Length

| Hex Size | Part No. | Overall Length, in. | Replacement Bit Part No. | Replacement Bit Length, in. |
|----------|----------|---------------------|--------------------------|-----------------------------|
| 1/4"     | DW8L     | 3.25                | 78416                    | 1.69                        |
| 5/16"    | DW10L    | 3.25                | 78420                    | 1.69                        |
| 3/8"     | DW12L    | 3.25                | 78424                    | 1.69                        |
| 7/16"    | DW14L    | 3.25                | 78428                    | 1.69                        |
| 1/2"     | DW16L    | 3.75                | 78432                    | 1.95                        |
| 9/16"    | DW18L    | 3.75                | 78436                    | 1.95                        |
| 5/8"     | DW20L    | 4.00                | 78440                    | 2.05                        |
| 3/4"     | DW24L    | 4.00                | 78448                    | 2.05                        |

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## Hex Head Sockets - Extra Long

| Hex Size | Part No. | Overall Length in. | Replacement Bit Part No. | Replacement Bit Length, in. |
|----------|----------|--------------------|--------------------------|-----------------------------|
| 1/4"     | DW8XL    | 5.0                | 78516                    | 3.45                        |
| 5/16"    | DW10XL   | 5.0                | 78520                    | 3.45                        |
| 3/8"     | DW12XL   | 5.0                | 78524                    | 3.45                        |
| 7/16"    | DW14XL   | 5.0                | 78528                    | 3.45                        |
| 1/2"     | DW16XL   | 5.5                | 78532                    | 3.95                        |
| 9/16"    | DW18XL   | 5.5                | 78536                    | 3.95                        |
| 5/8"     | DW20XL   | 6.0                | 78540                    | 4.00                        |
| 3/4"     | DW24XL   | 6.0                | 78548                    | 4.00                        |

Federal Spec. CDA 39-GP-12b U.S. GGG-W-641E ANSI B107.1



## Hex Head Sockets - Standard Length

| Hex Size | Part No. | Overall Length, mm | Replacement Bit Part No. | Replacement Bit Length, mm |
|----------|----------|--------------------|--------------------------|----------------------------|
| 6mm      | MDW6L    | 81                 | 78606                    | 43                         |
| 8mm      | MDW8L    | 81                 | 78608                    | 43                         |
| 10mm     | MDW10L   | 81                 | 78610                    | 43                         |
| 12mm     | MDW12L   | 94                 | 78612                    | 50                         |
| 14mm     | MDW14L   | 94                 | 78614                    | 50                         |
| 17mm     | MDW17L   | 101                | 78617                    | 50                         |
| 19mm     | MDW19L   | 101                | 78619                    | 50                         |

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# 1/2" DRIVE SOCKETS & ATTACHMENTS



Hex Head Sockets - Extra Long

| Hex Size | Part No. | Overall Length, mm | Replacement Bit Part No. | Replacement Bit Length, mm |
|----------|----------|--------------------|--------------------------|----------------------------|
| 6mm      | MDW6XL   | 128                | 78706                    | 95                         |
| 8mm      | MDW8XL   | 128                | 78708                    | 95                         |
| 10mm     | MDW10XL  | 128                | 78710                    | 95                         |
| 12mm     | MDW12XL  | 140                | 78712                    | 98                         |
| 14mm     | MDW14XL  | 140                | 78714                    | 98                         |
| 17mm     | MDW17XL  | 145                | 78717                    | 98                         |
| 19mm     | MDW19XL  | 145                | 78719                    | 98                         |

Federal Spec. CDA 39-GP-12M. U.S. GGG-W-641E. ANSI B107.5.



Torx® Head Sockets

| Size | Part No. | Overall Length, in. | Replacement Bit Part No. | Replacement Bit Length, in. |
|------|----------|---------------------|--------------------------|-----------------------------|
| T27  | TX627    | 3                   | 77927                    | 1.50                        |
| T30  | TX630    | 3                   | 77930                    | 1.50                        |
| T40  | TX640    | 3                   | 77940                    | 1.50                        |
| T45  | TX645    | 3                   | 77945                    | 1.50                        |
| T50  | TX650    | 3                   | 77950                    | 1.50                        |
| T55  | TX655    | 3                   | 77955                    | 1.50                        |
| T60  | TX660    | 3                   | 77960                    | 1.50                        |

Federal Spec. CDA 39-GP-12b U.S. GGG-W-641E ANSI B107.1

## 35020 19 Pieces 6 Point Standard SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2"

Includes 2 socket rails



## 35015 15 Pieces 6 Point Standard SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes socket rail



## 35012 12 Pieces 6 Point Standard SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"

Includes socket rail

# 1/2" DRIVE SOCKETS & ATTACHMENTS



35215

## 15 Pieces 6 Point Deep SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes socket rail



35212

## 12 Pieces 6 Point Deep SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"

Includes socket rail

35120

## 19 Pieces 12 Point Standard SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2"

Includes 2 socket rails



35115

## 15 Pieces 12 Point Standard SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes socket rail



35112

## 12 Pieces 12 Point Standard SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"

Includes socket rail

# 1/2" DRIVE SOCKETS & ATTACHMENTS



35315

## 15 Pieces 12 Point Deep SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"  
Includes socket rail



35312

## 12 Pieces 12 Point Deep SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"  
Includes socket rail



39019

## 19 Pieces 6 Point Standard Metric Socket Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28mm  
Includes 2 socket rails



39012

## 12 Pieces 6 Point Standard Metric Socket Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21mm  
Includes socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



39218

### 18 Pieces 6 Point Deep Metric Socket Set

Contains: 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28mm

Includes 2 socket rails



39119

### 19 Pieces 12 Point Standard Metric Socket Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28mm

Includes 2 socket rails



39112

### 12 Pieces 12 Point Standard Metric Socket Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21mm

Includes socket rail



39318

### 18 Pieces 12 Point Deep Metric Socket Set

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27mm

Includes 2 socket rails

# 1/2" DRIVE SOCKETS & ATTACHMENTS



**DW24LS**  
8 Pieces Hex Head SAE Socket Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"  
Includes socket rail



**35607**  
7 Pieces Hex Head SAE Socket Set

Contains: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"  
Includes socket rail



**35606**  
6 Pieces Hex Head SAE Socket Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"  
Includes socket rail



**35605**  
5 Pieces Hex Head SAE Socket Set

Contains: 5/16", 3/8", 7/16", 1/2", 9/16"  
Includes socket rail



**DW24XLS**  
8 Pieces Extra Long SAE Hex Head Socket Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"  
Includes socket rail



**35616**  
6 Pieces Extra Long SAE Hex Head Socket Set

Contains: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"  
Includes socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



**MDW7LCP**  
**7 Pieces Hex Head Metric Socket Set**

Contains: 6, 8, 10, 12, 14, 17, 19mm  
Includes socket rail



**MDW19XLS**  
**7 Pieces Extra Long - Metric Hex Head Socket Set**

Contains: 6, 8, 10, 12, 14, 17, 19mm  
Includes socket rail



**35705**  
**5 Pieces Torx® Head Socket Set**

Contains: T27, T30, T40, T45, T50  
Includes socket rail



**35707**  
**7 Pieces Torx® Head Socket Set**

Contains: T27, T30, T40, T45, T50, T55, T60  
Includes socket rail



# 1/2" DRIVE SOCKETS & ATTACHMENTS



30805

## 5 Pieces Chrome Ratchet & Attachment Set

Includes: Reversible Ratchet, Flex Handle, U-Joint, 5" Extension, 10" Extension, Metal Box # 9101



38020

## 20 Pieces 6 Point Standard SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



38017

## 17 Pieces 6 Point Standard SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"

Includes: Reversible Ratchet, Flex Handle, U-Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



### 38220 20 Pieces 6 Point Deep SAE Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



### 38217 17 Pieces 6 Point Deep SAE Socket Set

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail

# 1/2" DRIVE SOCKETS & ATTACHMENTS



**38120**  
**20 Pieces 12 Point Standard SAE Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



**38117**  
**17 Pieces 12 Point Standard SAE Socket Set**

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"  
Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



**38320**  
**20 Pieces 12 Point Deep SAE Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



**38317**  
**17 Pieces 12 Point Deep SAE Socket Set**

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8"  
Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



**39017**  
**17 Pieces 6 Point Standard Metric Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21mm

Includes: Reversible Ratchet, Flex Handle, Universal Joint, 5" Extension, 10" Extension, Metal Box # 9101, socket rail



**35038SH**  
**38 Pieces 6 Point SAE & Metric Socket & Attachment Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"

10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm

Includes: Reversible Ratchet, 15" Flexible Handle, U Joint, 2" Extension, 5" Extension, 10" Extension, Blow Molded Case # 93012



**35038DH**  
**38 Pieces 12 Point SAE & Metric Socket & Attachment Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"

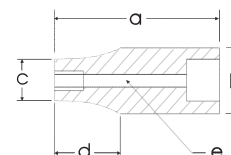
10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm

Includes: Reversible Ratchet, 15" Flexible Handle, U Joint, 2" Extension, 5" Extension, 10" Extension, Blow Molded Case # 93012

# 1/2" DRIVE SOCKETS & ATTACHMENTS

## 6 Point Standard Length - Impact Black Industrial Finish

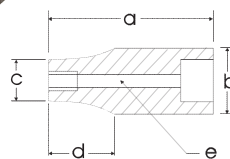
| Hex Size | 6 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|----------|------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"     | P2406            | 1.5                  | 0.87            | 0.63          | 0.47               | 0.31                 |
| 7/16"    | P2407            | 1.5                  | 0.87            | 0.71          | 0.33               | 0.35                 |
| 1/2"     | P2408            | 1.5                  | 0.87            | 0.79          | 0.19               | 0.43                 |
| 9/16"    | P2409            | 1.5                  | 0.94            | 0.87          | 0.19               | 0.47                 |
| 5/8"     | P2410            | 1.5                  | 0.98            | 0.98          | —                  | 0.55                 |
| 11/16"   | P2411            | 1.5                  | 1.02            | 1.02          | —                  | 0.63                 |
| 3/4"     | P2412            | 1.5                  | 1.1             | 1.1           | —                  | 0.67                 |
| 13/16"   | P2413            | 1.5                  | 1.18            | 1.18          | —                  | 0.71                 |
| 7/8"     | P2414            | 1.5                  | 1.26            | 1.26          | —                  | 0.79                 |
| 15/16"   | P2415            | 1.7                  | 1.34            | 1.34          | —                  | 0.87                 |
| 1"       | P2432            | 1.7                  | 1.42            | 1.42          | —                  | 0.91                 |
| 1 1/16"  | P2433            | 1.97                 | 1.5             | 1.5           | —                  | 0.98                 |
| 1 1/8"   | P2434            | 1.97                 | 1.57            | 1.57          | —                  | 1.02                 |
| 1 3/16"  | P2435            | 1.97                 | 1.65            | 1.65          | —                  | 1.1                  |
| 1 1/4"   | P2436            | 1.97                 | 1.73            | 1.73          | —                  | 1.18                 |
| 1 5/16"  | P2437            | 1.99                 | 1.77            | 1.77          | —                  | 1.22                 |
| 1 3/8"   | P2438            | 1.97                 | 1.91            | 1.91          | —                  | 1.3                  |
| 1 7/16"  | P2439            | 1.97                 | 1.99            | 1.99          | —                  | 1.34                 |
| 1 1/2"   | P2440            | 1.97                 | 2.07            | 2.07          | —                  | 1.42                 |



Federal Spec. CDA 39-GP-12M U.S. GGG-W-66OA ANSI B107.1

## 6 Point Deep Length - Impact Black Industrial Finish

| Hex Size | 6 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|----------|------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"     | PL2406           | 3.07                 | 0.87            | 0.63          | 0.67               | 0.28                 |
| 7/16"    | PL2407           | 3.07                 | 0.87            | 0.71          | 0.67               | 0.35                 |
| 1/2"     | PL2408           | 3.07                 | 0.87            | 0.79          | 0.67               | 0.39                 |
| 9/16"    | PL2409           | 3.07                 | 0.94            | 0.87          | 0.67               | 0.47                 |
| 5/8"     | PL2410           | 3.07                 | 0.94            | 0.94          | —                  | 0.51                 |
| 11/16"   | PL2411           | 3.07                 | 1.02            | 1.02          | —                  | 0.59                 |
| 3/4"     | PL2412           | 3.07                 | 1.1             | 1.1           | —                  | 0.67                 |
| 13/16"   | PL2413           | 3.07                 | 1.18            | 1.18          | —                  | 0.75                 |
| 7/8"     | PL2414           | 3.07                 | 1.26            | 1.26          | —                  | 0.79                 |
| 15/16"   | PL2415           | 3.07                 | 1.34            | 1.34          | —                  | 0.87                 |
| 1"       | PL2432           | 3.07                 | 1.42            | 1.42          | —                  | 0.91                 |
| 1 1/16"  | PL2433           | 3.07                 | 1.5             | 1.5           | —                  | 0.98                 |
| 1 1/8"   | PL2434           | 3.07                 | 1.57            | 1.57          | —                  | 1.02                 |
| 1 3/16"  | PL2435           | 3.07                 | 1.65            | 1.65          | —                  | 1.1                  |
| 1 1/4"   | PL2436           | 3.07                 | 1.73            | 1.73          | —                  | 1.18                 |
| 1 5/16"  | PL2437           | 3.07                 | 1.77            | 1.77          | —                  | 1.22                 |
| 1 3/8"   | PL2438           | 3.07                 | 1.91            | 1.91          | —                  | 1.3                  |
| 1 7/16"  | PL2439           | 3.07                 | 1.99            | 1.99          | —                  | 1.34                 |
| 1 1/2"   | PL2440           | 3.07                 | 2.07            | 2.07          | —                  | 1.42                 |



Federal Spec. CDA 39-GP-12M U.S. GGG-W-66OA ANSI B107.2



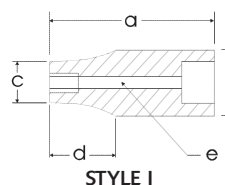
# 1/2" DRIVE SOCKETS & ATTACHMENTS

## 12 Point Standard Length - Impact Black Industrial Finish

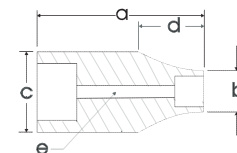
| Hex Size | 12 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |          |
|----------|-------------------|----------------------|-----------------|---------------|--------------------|----------------------|----------|
| 3/8"     | P2406DH           | 1.50                 | 0.94            | 0.63          | 0.47               | 0.32                 | Style I  |
| 7/16"    | P2407DH           | 1.50                 | 0.94            | 0.71          | 0.47               | 0.35                 |          |
| 1/2"     | P2408DH           | 1.50                 | 0.94            | 0.79          | 0.47               | 0.43                 |          |
| 9/16"    | P2409DH           | 1.50                 | 0.94            | 0.87          | 0.47               | 0.46                 |          |
| 5/8"     | P2410DH           | 1.50                 | 0.94            | 0.94          | 0.47               | 0.49                 |          |
| 11/16"   | P2411DH           | 1.50                 | 1.02            | 1.02          | 0.51               | 0.59                 | Style II |
| 3/4"     | P2412DH           | 1.50                 | 1.10            | 1.10          | 0.51               | 0.73                 |          |
| 13/16"   | P2413DH           | 1.50                 | 1.18            | 1.18          | 0.55               | 0.71                 |          |
| 7/8"     | P2414DH           | 1.50                 | 1.26            | 1.26          | 0.59               | 0.80                 |          |
| 15/16"   | P2415DH           | 1.77                 | 1.34            | 1.34          | 0.79               | 0.86                 |          |
| 1"       | P2432DH           | 1.77                 | 1.42            | 1.42          | 0.79               | 0.90                 |          |
| 1 1/16"  | P2433DH           | 1.97                 | 1.50            | 1.50          | 0.94               | 0.98                 |          |
| 1 1/8"   | P2434DH           | 1.97                 | 1.50            | 1.57          | 0.94               | 1.05                 |          |
| 1 3/16"  | P2435DH           | 1.97                 | 1.50            | 1.65          | 0.94               | 1.10                 |          |
| 1 1/4"   | P2436DH           | 1.97                 | 1.50            | 1.73          | 0.94               | 1.18                 |          |
| 1 5/16"  | P2437DH           | 1.97                 | 1.50            | 1.77          | 0.94               | —                    |          |
| 1 3/8"   | P2438DH           | 1.97                 | 1.50            | 1.85          | 0.94               | —                    |          |
| 1 7/16"  | P2439DH           | 1.97                 | 1.50            | 1.91          | 0.94               | —                    |          |
| 1 1/2"   | P2440DH           | 1.97                 | 1.50            | 1.99          | 0.94               | —                    |          |



ASME 107.2 - 1995



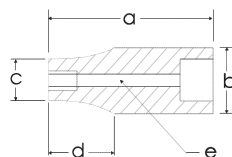
STYLE I



STYLE II



ASME 107.2 - 1995

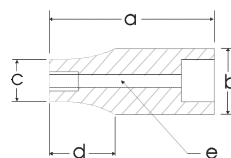


## 6 Point Regular Length - Impact Black Industrial Finish

| Hex Size | 6 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c | Taper Length mm d | Bolt Clearance mm e |
|----------|------------------|---------------------|----------------|--------------|-------------------|---------------------|
| 8mm      | MP08H            | 38                  | 22             | 15           | 14                | 6                   |
| 9mm      | MP09H            | 38                  | 22             | 15           | 14                | 7                   |
| 10mm     | MP10H            | 38                  | 22             | 17           | 10                | 8                   |
| 11mm     | MP11H            | 38                  | 22             | 18           | 8                 | 9                   |
| 12mm     | MP12H            | 38                  | 22             | 19           | 7                 | 10                  |
| 13mm     | MP13H            | 38                  | 24             | 20           | 8                 | 11                  |
| 14mm     | MP14H            | 38                  | 24             | 22           | 5                 | 12                  |
| 15mm     | MP15H            | 38                  | 25             | 23           | 5                 | 13                  |
| 16mm     | MP16H            | 38                  | 25             | 25           | —                 | 14                  |
| 17mm     | MP17H            | 38                  | 26             | 26           | —                 | 15                  |
| 18mm     | MP18H            | 38                  | 26             | 26           | —                 | 16                  |
| 19mm     | MP19H            | 38                  | 28             | 28           | —                 | 17                  |
| 20mm     | MP20H            | 38                  | 30             | 30           | —                 | 18                  |
| 21mm     | MP21H            | 38                  | 30             | 30           | —                 | 19                  |
| 22mm     | MP22H            | 45                  | 32             | 32           | —                 | 20                  |
| 23mm     | MP23H            | 45                  | 32             | 32           | —                 | 21                  |
| 24mm     | MP24H            | 45                  | 34             | 34           | —                 | 22                  |
| 25mm     | MP25H            | 45                  | 36             | 36           | —                 | 23                  |
| 26mm     | MP26H            | 50                  | 36             | 36           | —                 | 24                  |
| 27mm     | MP27H            | 50                  | 38             | 38           | —                 | 25                  |
| 28mm     | MP28H            | 50                  | 40             | 40           | —                 | 26                  |
| 29mm     | MP29H            | 50                  | 40             | 40           | —                 | 27                  |
| 30mm     | MP30H            | 50                  | 42             | 42           | —                 | 28                  |
| 31mm     | MP31H            | 50                  | 43             | 43           | —                 | 29                  |
| 32mm     | MP32H            | 50                  | 44             | 44           | —                 | 30                  |
| 36mm     | MP36H            | 50                  | 48.5           | 48.5         | —                 | 34                  |



# 1/2" DRIVE SOCKETS & ATTACHMENTS

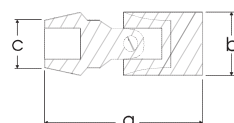


**6 Point Deep Length - Impact  
Black Industrial Finish**

| Hex Size | 6 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c | Taper Length mm d | Bolt Clearance mm e |
|----------|------------------|---------------------|----------------|--------------|-------------------|---------------------|
| 8mm      | MPD08H           | 78                  | 22             | 15           | 17                | 6                   |
| 9mm      | MPD09H           | 78                  | 22             | 15           | 17                | 7                   |
| 10mm     | MPD10H           | 78                  | 22             | 17           | 17                | 8                   |
| 11mm     | MPD11H           | 78                  | 22             | 18           | 17                | 9                   |
| 12mm     | MPD12H           | 78                  | 22             | 19           | 17                | 10                  |
| 13mm     | MPD13H           | 78                  | 24             | 20           | 17                | 11                  |
| 14mm     | MPD14H           | 78                  | 24             | 22           | 17                | 12                  |
| 15mm     | MPD15H           | 78                  | 24             | 24           | —                 | 13                  |
| 16mm     | MPD16H           | 78                  | 24             | 24           | —                 | 14                  |
| 17mm     | MPD17H           | 78                  | 26             | 26           | —                 | 15                  |
| 18mm     | MPD18H           | 78                  | 26             | 26           | —                 | 16                  |
| 19mm     | MPD19H           | 78                  | 28             | 28           | —                 | 17                  |
| 20mm     | MPD20H           | 78                  | 30             | 30           | —                 | 18                  |
| 21mm     | MPD21H           | 78                  | 30             | 30           | —                 | 19                  |
| 22mm     | MPD22H           | 78                  | 32             | 32           | —                 | 20                  |
| 23mm     | MPD23H           | 78                  | 32             | 32           | —                 | 21                  |
| 24mm     | MPD24H           | 78                  | 34             | 34           | —                 | 22                  |
| 25mm     | MPD25H           | 82                  | 35             | 35           | —                 | 20                  |
| 27mm     | MPD27H           | 78                  | 38             | 38           | —                 | 25                  |
| 30mm     | MPD30H           | 78                  | 42             | 42           | —                 | 28                  |
| 36mm     | MPD36H           | 78                  | 48.5           | 48.5         | —                 | 34                  |

**12 Point Standard Length - Impact  
Black Industrial Finish**

| Hex Size | 12 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c | Taper Length mm d | Bolt Clearance mm e |
|----------|-------------------|---------------------|----------------|--------------|-------------------|---------------------|
| 10mm     | MP10DH            | 38                  | 24             | 17           | 16                | 8                   |
| 11mm     | MP11DH            | 38                  | 24             | 18           | 16                | 9                   |
| 12mm     | MP12DH            | 38                  | 24             | 19           | 16                | 10                  |
| 13mm     | MP13DH            | 38                  | 24             | 20           | 16                | 11                  |
| 14mm     | MP14DH            | 38                  | 24             | 22           | 16                | 12                  |
| 15mm     | MP15DH            | 38                  | 24             | 24           | —                 | 13                  |
| 16mm     | MP16DH            | 38                  | 24             | 24           | —                 | 14                  |
| 17mm     | MP17DH            | 38                  | 26             | 26           | —                 | 15                  |
| 18mm     | MP18DH            | 38                  | 26             | 26           | —                 | 16                  |
| 19mm     | MP19DH            | 38                  | 28             | 28           | —                 | 17                  |
| 20mm     | MP20DH            | 38                  | 30             | 30           | —                 | 18                  |
| 21mm     | MP21DH            | 38                  | 30             | 30           | —                 | 19                  |
| 22mm     | MP22DH            | 38                  | 32             | 32           | —                 | 20                  |
| 23mm     | MP23DH            | 38                  | 32             | 32           | —                 | 21                  |
| 24mm     | MP24DH            | 45                  | 34             | 34           | —                 | 22                  |
| 30mm     | MP30DH            | 50                  | 38             | 42           | —                 | 28                  |
| 32mm     | MP32DH            | 50                  | 38             | 44           | —                 | 30                  |



**6 Point Universal Joint Socket - Impact  
Black Industrial Finish**

| Hex Size | 6 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c |
|----------|------------------|----------------------|-----------------|---------------|
| 7/16"    | PHU14            | 2.56                 | 1.10            | 0.67          |
| 1/2"     | PHU16            | 2.56                 | 1.10            | 0.75          |
| 9/16"    | PHU18            | 2.56                 | 1.10            | 0.86          |
| 5/8"     | PHU20            | 2.56                 | 1.10            | 0.91          |
| 11/16"   | PHU22            | 2.56                 | 1.10            | 1.02          |
| 3/4"     | PHU24            | 2.56                 | 1.10            | 1.09          |
| 13/16"   | PHU26            | 2.56                 | 1.10            | 1.17          |
| 7/8"     | PHU28            | 2.56                 | 1.10            | 1.25          |
| 15/16"   | PHU30            | 2.56                 | 1.10            | 1.33          |
| 1"       | PHU32            | 2.56                 | 1.10            | 1.41          |

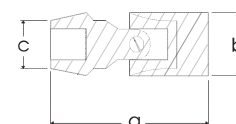
Federal Spec. CDA 39-GP-12M U.S. GGG-W-66OA ANSI B1072

# 1/2" DRIVE SOCKETS & ATTACHMENTS

## 6 Point Deep Universal Joint Socket - Impact Black Industrial Finish

| Hex Size | 6 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c |
|----------|------------------|----------------------|-----------------|---------------|
| 3/8"     | PHU12L           | 3.50                 | 1.10            | 0.59          |
| 7/16"    | PHU14L           | 3.50                 | 1.10            | 0.67          |
| 1/2"     | PHU16L           | 3.50                 | 1.10            | 0.75          |
| 9/16"    | PHU18L           | 3.50                 | 1.10            | 0.87          |
| 5/8"     | PHU20L           | 3.50                 | 1.10            | 0.91          |
| 11/16"   | PHU22L           | 3.50                 | 1.50            | 1.02          |
| 3/4"     | PHU24L           | 3.50                 | 1.50            | 1.10          |
| 13/16"   | PHU26L           | 3.50                 | 1.50            | 1.18          |
| 7/8"     | PHU28L           | 3.50                 | 1.50            | 1.26          |
| 15/16"   | PHU30L           | 3.50                 | 1.50            | 1.34          |

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## 6 Point Universal Joint Socket Impact - Black Industrial Finish

| Hex Size | 6 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c |
|----------|------------------|---------------------|----------------|--------------|
| 10mm     | PHUM10           | 65                  | 27.50          | 15.00        |
| 11mm     | PHUM11           | 65                  | 27.50          | 17.00        |
| 12mm     | PHUM12           | 65                  | 27.50          | 19.00        |
| 13mm     | PHUM13           | 65                  | 27.50          | 20.00        |
| 14mm     | PHUM14           | 65                  | 27.50          | 21.80        |
| 15mm     | PHUM15           | 65                  | 27.50          | 23.00        |
| 16mm     | PHUM16           | 65                  | 27.50          | 23.00        |
| 17mm     | PHUM17           | 65                  | 27.50          | 25.70        |
| 18mm     | PHUM18           | 65                  | 27.50          | 25.80        |
| 19mm     | PHUM19           | 65                  | 27.50          | 27.80        |
| 20mm     | PHUM20           | 65                  | 27.50          | 29.80        |
| 21mm     | PHUM21           | 65                  | 27.50          | 29.80        |
| 22mm     | PHUM22           | 65                  | 27.50          | 31.80        |
| 23mm     | PHUM23           | 65                  | 27.50          | 31.80        |
| 24mm     | PHUM24           | 65                  | 27.50          | 33.80        |

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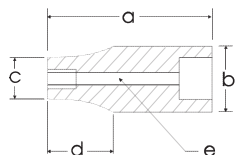
## 6 Point Deep Universal Joint Socket Impact - Black Industrial Finish

| Hex Size | 6 Point Part No. | Overall Length mm a | Drive End mm b | Hex End mm c |
|----------|------------------|---------------------|----------------|--------------|
| 10mm     | PHUM10L          | 89                  | 28             | 15.00        |
| 11mm     | PHUM11L          | 89                  | 28             | 17.00        |
| 12mm     | PHUM12L          | 89                  | 28             | 19.00        |
| 13mm     | PHUM13L          | 89                  | 28             | 20.00        |
| 14mm     | PHUM14L          | 89                  | 28             | 21.80        |
| 15mm     | PHUM15L          | 89                  | 28             | 23.00        |
| 16mm     | PHUM16L          | 89                  | 28             | 23.00        |
| 17mm     | PHUM17L          | 89                  | 32             | 25.70        |
| 18mm     | PHUM18L          | 89                  | 32             | 25.80        |
| 19mm     | PHUM19L          | 89                  | 32             | 27.80        |
| 20mm     | PHUM20L          | 89                  | 32             | 29.80        |
| 21mm     | PHUM21L          | 89                  | 32             | 29.80        |
| 22mm     | PHUM22L          | 89                  | 32             | 31.80        |
| 23mm     | PHUM23L          | 89                  | 32             | 31.80        |
| 24mm     | PHUM24L          | 89                  | 32             | 33.80        |

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# 1/2" DRIVE SOCKETS & ATTACHMENTS



**Female Torx® Impact Socket**

| Size | 6 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|------|------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| E18  | 34018            | 1.5                  | 1.0             | 0.8           | .68                | 1.0                  |



**Double Square Standard Length Impact - Black Industrial Finish**

| Size   | 8 Point Part No. | Overall Length in. a | Drive End in. b | Hex End in. c | Taper Length in. d | Bolt Clearance in. e |
|--------|------------------|----------------------|-----------------|---------------|--------------------|----------------------|
| 3/8"   | P4-812           | 1.5                  | 0.87            | 0.75          | 0.60               | 0.31                 |
| 7/16"  | P4-814           | 1.5                  | 0.94            | 0.83          | 0.60               | 0.35                 |
| 1/2"   | P4-816           | 1.5                  | 0.94            | 0.94          | 0.60               | 0.43                 |
| 9/16"  | P4-818           | 1.5                  | 1.02            | 1.02          | —                  | 0.47                 |
| 5/8"   | P4-820           | 1.5                  | 1.1             | 1.1           | —                  | 0.55                 |
| 11/16" | P4-822           | 1.5                  | 1.18            | 1.18          | —                  | 0.63                 |
| 3/4"   | P4-824           | 1.5                  | 1.34            | 1.34          | —                  | 0.67                 |
| 13/16" | P4-826           | 1.5                  | 1.42            | 1.42          | —                  | 0.75                 |
| 7/8"   | P4-828           | 1.5                  | 1.5             | 1.5           | —                  | 0.75                 |
| 15/16" | P4-830           | 1.77                 | 1.5             | 1.65          | —                  | 0.91                 |
| 1"     | P4-832           | 1.77                 | 1.5             | 1.73          | —                  | 0.91                 |

Federal Spec. CDA 39-GP-12M U.S. GGG-W-66OA ANSI B107.2



**35066 16 Pieces 6 Point Standard SAE Impact Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16"  
Includes socket rail



**35064 14 Pieces 6 Point Standard SAE Impact Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4"  
Includes socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



**P11T**  
11 Pieces 6 Point Standard SAE Impact Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"  
Includes socket rail



**P6T**  
6 Pieces 6 Point Standard SAE Impact Socket Set

Contains: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"  
Includes socket rail



**PL13T**  
13 Pieces 6 Point Deep SAE Impact Socket Set

Contains: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4"  
Includes socket rail



**PL11T**  
11 Pieces 6 Point Deep SAE Impact Socket Set

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"  
Includes socket rail



**PL8HT**  
8 Pieces 6 Point Deep SAE Impact Socket Set

Contains: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"  
Includes socket rail

## 1/2" DRIVE SOCKETS & ATTACHMENTS



**39023**  
**23 Pieces 6 Point Standard Metric Impact Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32mm  
Includes 2 socket rails



**39014**  
**14 Pieces 6 Point Standard Metric Impact Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23mm  
Includes socket rail



**39062**  
**12 Pieces 6 Point Standard Metric Impact Socket Set**

Contains: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm  
Includes socket rail



**MP6T**  
**6 Pieces 6 Point Standard Metric Impact Socket Set**

Contains: 13, 14, 15, 16, 17, 18mm  
Includes socket rail



**39214**  
**14 Pieces 6 Point Deep Metric Impact Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23mm  
Includes socket rail

# 1/2" DRIVE SOCKETS & ATTACHMENTS



**39260**  
**10 Pieces 6 Point Deep Metric Impact Socket Set**

Contains: 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm  
 Includes socket rail



**MPD8HT**  
**8 Pieces 6 Point Deep Metric Impact Socket Set**

Contains: 8, 9, 10, 11, 13, 14, 17, 19mm  
 Includes socket rail



**35068**  
**19 Pieces 12 Point Standard SAE Impact Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2"  
 Includes socket rail.



**39117**  
**17 Pieces 12 Point Standard Metric Impact Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 30, 32mm  
 Includes socket rail.



**35810**  
**10 Pieces 6 Point Standard SAE Impact Universal Joint Socket Set**

Contains: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"  
 Includes socket rail



**35910**  
**10 Pieces 6 Point Deep SAE Impact Universal Joint Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16"  
 Includes socket rail.



# 1/2" DRIVE SOCKETS & ATTACHMENTS



**36815**  
**15 Pieces 6 Point Standard Metric Impact Universal Joint Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm  
 Includes socket rail.



**36915**  
**15 Pieces 6 Point Deep Metric Impact Universal Joint Socket Set**

Contains: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24mm  
 Includes socket rail



**35057**  
**7 Pieces 8 Point Standard SAE Double Square Impact Socket Set**

Contains: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"  
 Includes socket rail



**24510**  
**10 Pieces Female Torx® Impact Socket Set**

Contains:  
 1/4" Drive: E4, E5, E6, E7, E8  
 3/8" Drive: E10, E12, E14, E16  
 1/2" Drive: E18  
 Includes socket rail

**35806**  
**6 Pieces Impact Driver & Attachments Set**

| Part No. | Description                  |
|----------|------------------------------|
| IMB21    | No. 2 Phillips® 1 7/16" long |
| IMB22    | No. 3 Phillips® 1 7/16" long |
| IMB23    | 5/16" Slotted 1 7/16" long   |
| IMB24    | 3/8" Slotted 1 7/16" long    |

Includes metal case

