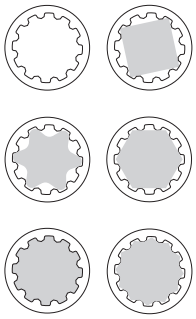
## 3/8" DRIVE STANDARD DEPTH SPLINE SOCKETS

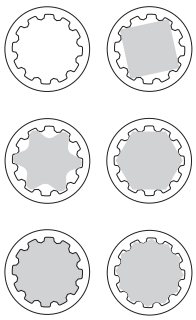
- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 pt. wrenches on double box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.



| Product ID No. | Spline Size | in. | B | C | D | E | L | Weight lbs. |
|---|---|---|---|---|---|---|---|---|
| **J5212SPL** | # 12 | 3/8 | 9/16" | 21/32" | 3/8" | 11/16" | 1" | 0.06 lbs. |
| **J5214SPL** | # 14 | 7/16 | 5/8" | 11/16" | 7/16" | 3/4" | 1-1/16" | 0.06 lbs. |
| **J5216SPL** | # 16 | 1/2 | 3/4" | 23/32" | 7/16" | 3/4" | 1-1/16" | 0.07 lbs. |
| **J5218SPL** | # 18 | 9/16 | 13/16" | 13/16" | 15/32" | 3/4" | 1-1/16" | 0.01 lbs. |
| **J5220SPL** | # 20 | 5/8 | 7/8" | 7/8" | 17/32" | 7/8" | 1-3/16" | 0.13 lbs. |

## 3/8" DRIVE DEEP SPLINE SOCKETS

- Proto® Spline tools are designed to service high tensile strength fasteners used widely on military and commercial aircraft and in heavy machinery applications where vibration is prevalent. They are also used in automotive and industrial areas where high performance torque needs to be achieved.
- Spline sockets help tighten high strength bolts to high torque loads. They help lower the force required to turn standard fasteners by allowing the torque load to be moved away from the corners to help prevent fastener rounding. They also turn fasteners with damaged corners.
- Spline sockets on spline fasteners help deliver twice the torque of 12 pt. wrenches on double box fasteners, and more torque than hex wrenches on hex fasteners.
- Spline helps reduce foreign object debris (FOD) by having a precise fit between the fastening tool and its fastener.



| Product ID No. | Spline Size | in. | B | C | D | E | L | Weight lbs. |
|---|---|---|---|---|---|---|---|---|
| **J5012DPL** | # 12 | 3/8 | 9/16" | 21/32" | 3/8" | 1-5/8" | 2-1/8" | 0.08 lbs. |
| **J5014DPL** | # 14 | 7/16 | 5/8" | 11/16" | 7/16" | 1-5/8" | 2-1/8" | 0.10 lbs. |
| **J5016DPL** | # 16 | 1/2 | 3/4" | 23/32" | 7/16" | 1-5/8" | 2-1/8" | 0.12 lbs. |
| **J5018DPL** | # 18 | 9/16 | 13/16" | 13/16" | 15/32" | 1-7/8" | 2-3/8" | 0.19 lbs. |
| **J5020DPL** | # 22 | 5/8 | 7/8" | 7/8" | 17/32" | 1-7/8" | 2-3/8" | 0.22 lbs. |

## 3/8" DRIVE DEEP LENGTH SOCKETS - 6 POINT

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ design is a high performance drive configuration which allows for quick and easy socket engagement to the fastener flats, not the corners.
- The TorquePlus™ configuration employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The TorquePlus™ internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.

TORQUEPLUS™ FASTENING SYSTEM

| Product ID No. | in. | B | C | D | E | L | Weight lbs. | ASME Spec. |
|---|---|---|---|---|---|---|---|---|
| **J5008H** | 1/4" | 25/64" | 41/64" | 21/64" | 1-11/16" | 2-1/8" | 0.12 lbs. | ASME B107.1 |
| **J5010H** | 5/16" | 11/32" | 41/64" | 11/32" | 1-11/16" | 2-1/8" | 0.10 lbs. | ASME B107.1 |
| **J5011H** | 11/32" | 1/2" | 41/64" | 21/32" | 1-11/16" | 2-1/8" | 0.10 lbs. | ASME B107.1 |
| **J5012H** | 3/8" | 9/16" | 41/64" | 11/32" | 1-11/16" | 2-1/8" | 0.11 lbs. | ASME B107.1 |
| **J5014H** | 7/16" | 41/64" | 41/64" | 7/16" | 1-11/16" | 2-1/8" | 0.12 lbs. | ASME B107.1 |
| **J5016H** | 1/2" | 23/32" | 23/32" | 33/64" | 1-11/16" | 2-1/8" | 0.14 lbs. | ASME B107.1 |
| **J5018H** | 9/16" | 51/64" | 51/64" | 19/32" | 1-11/16" | 2-1/8" | 0.17 lbs. | ASME B107.1 |
| **J5020H** | 5/8" | 7/8" | 7/8" | 21/32" | 1-11/16" | 2-3/4" | 0.25 lbs. | ASME B107.1 |
| **J5022H** | 11/16" | 61/64" | 61/64" | 21/32" | 1-23/32" | 2-3/4" | 0.29 lbs. | ASME B107.1 |
| **J5024H** | 3/4" | 1-1/64" | 1-1/64" | 11/16" | 1-23/32" | 2-3/4" | 0.32 lbs. | ASME B107.1 |
| **J5026H** | 13/16" | 1-5/64" | 1-5/64" | 11/16" | 2-5/64" | 2-3/4" | 0.35 lbs. | ASME B107.1 |
| **J5028H** | 7/8" | 1-11/64" | 1-11/64" | 11/16" | 2-5/64" | 2-3/4" | 0.40 lbs. | ASME B107.1 |
| **J5030H** | 15/16" | 1-15/64" | 1-15/64" | 1-3/16" | 2-5/64" | 2-3/4" | 0.52 lbs. | ASME B107.1 |
| **J5032H** | 1" | 1-21/64" | 1-21/64" | 1-3/16" | 2-5/64" | 2-3/4" | 0.58 lbs. | ASME B107.1 |



WARNING: WORK SAFELY WITH TOOLS WEAR SAFETY GOGGLES.

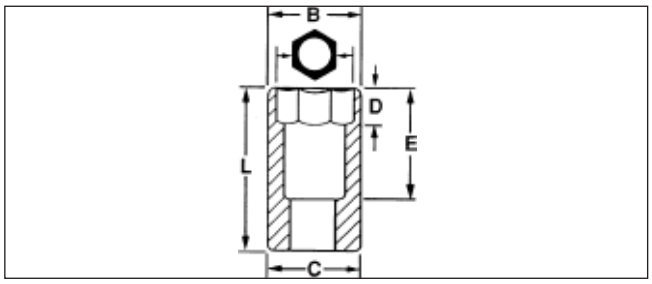
## 3/8" DRIVE METRIC DEEP LENGTH SOCKETS - 6 POINT

METRIC

- Proto® 6 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ design is a high performance drive configuration which allows for quick and easy socket engagement to the fastener flats, not the corners.
- The TorquePlus™ configuration employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The TorquePlus™ internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.

TORQUEPLUS™ FASTENING SYSTEM

| Product ID No. | mm | B | C | D | E | L | Weight lbs. | ASME Spec. |
|---|---|---|---|---|---|---|---|---|
| **J5006MH** | 6 | 10.0 | 16.5 | 8.0 | 42.8 | 54.0 | 0.10 lbs. | ASME B107.5M |
| **J5007MH** | 7 | 10.9 | 16.5 | 8.0 | 42.8 | 54.0 | 0.09 lbs. | ASME B107.5M |
| **J5008MH** | 8 | 12.0 | 16.5 | 8.0 | 49.1 | 54.0 | 0.10 lbs. | ASME B107.5M |
| **J5009MH** | 9 | 12.9 | 16.5 | 10.0 | 42.8 | 54.0 | 0.10 lbs. | ASME B107.5M |
| **J5010MH** | 10 | 14.8 | 16.5 | 10.0 | 42.8 | 54.0 | 0.11 lbs. | ASME B107.5M |
| **J5011MH** | 11 | 16.5 | 16.5 | 11.0 | 42.8 | 54.0 | 0.12 lbs. | ASME B107.5M |
| **J5012MH** | 12 | 17.7 | 17.7 | 13.0 | 38.1 | 54.0 | 0.14 lbs. | ASME B107.5M |
| **J5013MH** | 13 | 18.4 | 18.4 | 13.0 | 38.1 | 54.0 | 0.15 lbs. | ASME B107.5M |
| **J5014MH** | 14 | 19.9 | 19.9 | 15.0 | 38.1 | 54.0 | 0.16 lbs. | ASME B107.5M |
| **J5015MH** | 15 | 22.0 | 22.0 | 16.5 | 583 | 69.9 | 0.24 lbs. | ASME B107.5M |
| **J5016MH** | 16 | 22.0 | 22.0 | 16.5 | 58.7 | 69.9 | 0.24 lbs. | ASME B107.5M |
| **J5017MH** | 17 | 23.7 | 23.7 | 16.5 | 58.7 | 69.9 | 0.28 lbs. | ASME B107.5M |
| **J5018MH** | 18 | 23.9 | 23.9 | 16.5 | 58.7 | 69.9 | 0.28 lbs. | ASME B107.5M |
| **J5019MH** | 19 | 25.6 | 25.6 | 17.5 | 58.7 | 69.9 | 0.33 lbs. | ASME B107.5M |
| **J5020MH** | 20 | 27.4 | 27.4 | 17.5 | 58.7 | 69.9 | 0.35 lbs. | ASME B107.5M |
| **J5021MH** | 21 | 27.4 | 27.4 | 17.5 | 58.7 | 69.9 | 0.35 lbs. | ASME B107.5M |
| **J5022MH** | 22 | 29.9 | 29.9 | 17.5 | 58.7 | 69.9 | 0.46 lbs. | ASME B107.5M |
| **J5023MH** | 23 | 31.5 | 31.5 | 30.0 | 58.7 | 69.9 | 0.55 lbs. | ASME B107.5M |
| **J5024MH** | 24 | 32.4 | 32.4 | 30 | 58.7 | 69.9 | 0.56 lbs. | ASME B107.5M |
| **J5025MH** | 25 | 32.4 | 32.4 | 30 | 58.7 | 69.9 | 0.56 lbs. | ASME B107.5M |
| **J5026MH** | 26 | 32.4 | 32.4 | 30 | 58.7 | 69.9 | 0.65 lbs. | ASME B107.5M |



## 3/8" DRIVE DEEP LENGTH SOCKETS - 12 POINTS

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ design is a high performance drive configuration which allows for quick and easy socket engagement to the fastener flats, not the corners.
- The TorquePlus™ configuration employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
- The TorquePlus™ internal design minimizes fastener rounding, helps to extend fastener life, and allows the user to more easily turn worn, rounded, or rusted fasteners.

TORQUEPLUS™ FASTENING SYSTEM

| Product ID No. | in. | B | C | D | E | L | Weight lbs. | ASME Spec. | AS Spec. |
|---|---|---|---|---|---|---|---|---|---|
| **J5008** | 1/4" | 13/37" | 21/32" | 5/16" | 1-11/16" | 2-1/8" | 0.10 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5010** | 5/16" | 15/37" | 21/32" | 13/32" | 1-11/16" | 2-1/8" | 0.10 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5011** | 11/32" | 1/2" | 21/32" | 25/64" | 1-11/16" | 2-1/8" | 0.09 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5012** | 3/8" | 35/64" | 21/32" | 13/32" | 1-11/16" | 2-1/8" | 0.10 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5014** | 7/16" | 21/32" | 21/32" | 7/16" | 1-11/16" | 2-1/8" | 0.12 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5016** | 1/2" | 23/32" | 23/37" | 33/64" | 1-11/16" | 2-1/8" | 0.14 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5018** | 9/16" | 51/64" | 51/64" | 19/32" | 1-11/16" | 2-1/8" | 0.18 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5020** | 5/8" | 7/8" | 7/8" | 43/64" | 2-5/16" | 2-3/4" | 0.24 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5022** | 11/16" | 15/16" | 15/16" | 43/64" | 2-5/16" | 2-3/4" | 0.30 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5024** | 3/4" | 1-1/64" | 1-1/64" | 43/64" | 2-5/16" | 2-3/4" | 0.33 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5026** | 13/16" | 1-5/64" | 1-5/64" | 43/64" | 2-5/16" | 2-3/4" | 0.36 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5028** | 7/8" | 1-15/64" | 1-15/64" | 1-3/16" | 2-5/16" | 2-3/4" | 0.43 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5030** | 15/16" | 1-15/64" | 1-15/64" | 1-3/16" | 2-5/16" | 2-3/4" | 0.46 lbs. | ASME B107.1 | AS954E S3.8.1 |
| **J5032** | 1" | 1-5/16" | 1-5/16" | 1-3/16" | 2-5/16" | 2-3/4" | 0.54 lbs. | ASME B107.1 | AS954E S3.8.1 |


WARNING: WORK SAFELY WITH TOOLS WEAR SAFETY GOGGLES.

## 3/8" DRIVE METRIC DEEP LENGTH SOCKETS - 12 POINT

METRIC

- Proto® 12 Point Sockets are ideal for use on stubborn or damaged fasteners, and also on fasteners made from soft materials.
- The TorquePlus™ design is a high performance drive configuration which allows for quick and easy socket engagement to the fastener flats, not the corners.
- The TorquePlus™ configuration employs a radius-corner design, shifting contact area and stress away from the fastener corners and distributing contact stresses over a large area of the socket, minimizing slippage.
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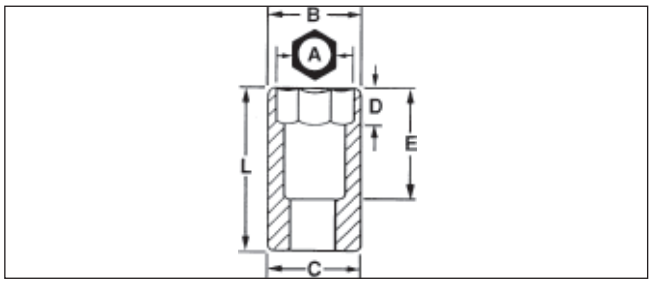
TORQUEPLUS™ FASTENING SYSTEM

| Product ID No. | mm | B | C | D | E | L | Weight lbs. | ASME Spec. | AS Spec. |
|---|---|---|---|---|---|---|---|---|---|
| **J5006M** | 6 | 10.0 | 16.5 | 8.0 | 46.0 | 54.0 | 0.11 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5007M** | 7 | 10.0 | 16.5 | 10.0 | 44.0 | 54.0 | 0.09 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5008M** | 8 | 12.0 | 16.5 | 10.0 | 44.0 | 54.0 | 0.10 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5009M** | 9 | 12.9 | 16.5 | 10.0 | 44.0 | 54.0 | 0.11 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5010M** | 10 | 14.8 | 16.5 | 10.0 | 44.0 | 54.0 | 0.12 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5011M** | 11 | 16.5 | 11.0 | 43.0 | 44.0 | 54.0 | 0.13 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5012M** | 12 | 17.7 | 17.7 | 13.0 | 41.0 | 54.0 | 0.13 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5013M** | 13 | 18.4 | 18.4 | 13.0 | 41.0 | 54.0 | 0.13 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5014M** | 14 | 19.9 | 19.9 | 15.0 | 39.0 | 54.0 | 0.15 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5015M** | 15 | 22.0 | 22.0 | 16.5 | 53.4 | 69.9 | 0.15 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5016M** | 16 | 22.0 | 22.0 | 16.5 | 53.4 | 69.9 | 0.24 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5017M** | 17 | 23.7 | 23.7 | 16.5 | 53.4 | 69.9 | 0.27 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5018M** | 18 | 23.9 | 23.9 | 16.5 | 53.4 | 69.9 | 0.28 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5019M** | 19 | 25.6 | 25.6 | 17.5 | 52.4 | 69.9 | 0.30 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5020M** | 20 | 27.4 | 27.4 | 17.5 | 52.4 | 69.9 | 0.33 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5021M** | 21 | 27.4 | 27.4 | 17.5 | 52.4 | 69.9 | 0.34 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5022M** | 22 | 29.9 | 29.9 | 17.5 | 52.4 | 69.9 | 0.45 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5023M** | 23 | 31.1 | 29.9 | 30.0 | 39.9 | 69.9 | 0.54 lbs. | ASME B107.5M | AS954E S3.8.1 |
| **J5026M** | 26 | 34.8 | 34.8 | 30.0 | 53.8 | 69.9 | 0.65 lbs. | ASME B107.5M | AS954E S3.8.1 |