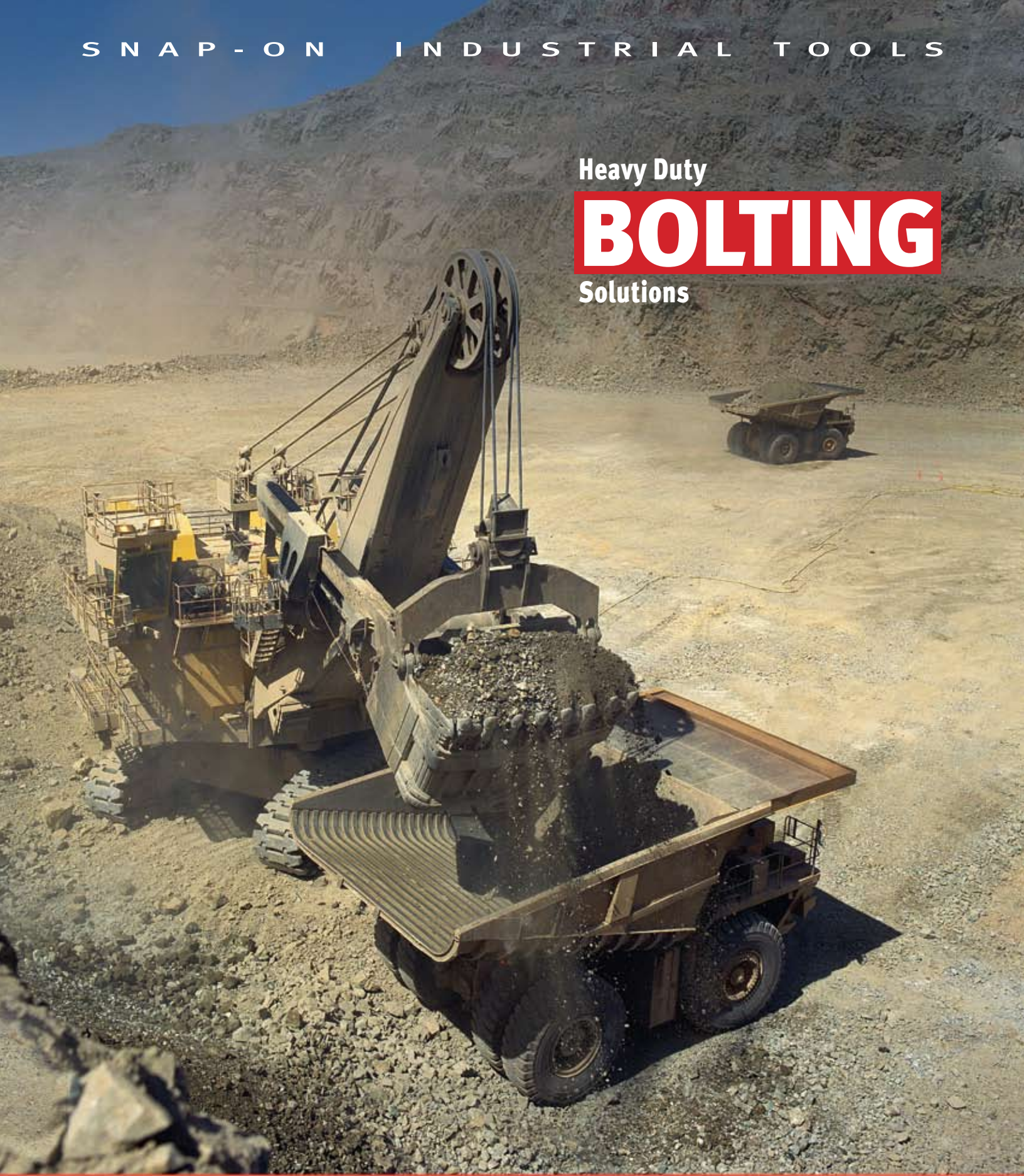


S N A P - O N I N D U S T R I A L T O O L S

Heavy Duty

BOLTING

Solutions



Snap-on

POWER TOOLS SNAP-ON®
Snap-on Heavy Duty Impact Wrenches

MG725 – 1/2" Drive Impact Wrench

Unit delivers 810 ft. lbs. torque and 1270 blows per minute. Anvil stops when trigger is released, which helps prevent anvil from throwing nuts and sockets.

| PART # | DRIVE SIZE (IN) | MAXIMUM TORQUE (FT LB) | BLOWS PER MINUTE | FREE SPEED (RPM) | SOCKET RETAINER TYPE | WEIGHT (LBS) |
|------------------------|-----------------|------------------------|------------------|------------------|----------------------|--------------|
| PISTOL GRIP | | | | | | |
| MG725 | 1/2 | 810 | 1270 | 8000 | Ring | 5 |
| MG725P (pinned anvil) | 1/2 | 810 | 1270 | 8000 | Pin | 5 |
| MG725L (3" long anvil) | 1/2 | 810 | 1270 | 8000 | Ring | 5 |

MG1200 – 3/4" Drive Impact Wrench

High torque. Balanced twin hammers deliver 1200 ft. lbs. torque output. Variable speed trigger prevents slippage and eliminates pinch points.

| PART # | DRIVE SIZE (IN) | MAXIMUM TORQUE (FT LB) | BLOWS PER MINUTE | FREE SPEED (RPM) | SOCKET RETAINER TYPE | WEIGHT (LBS) |
|--------------------------|-----------------|------------------------|------------------|------------------|----------------------|--------------|
| PISTOL GRIP | | | | | | |
| MG1200 | 3/4 | 1200 | 1200 | 7000 | Ring | 8 |
| MG1200P (pinned anvil) | 3/4 | 1200 | 1200 | 7000 | Pin | 8 |
| MG1200L (3" long anvil) | 3/4 | 1200 | 1200 | 7000 | Ring | 8 |
| MG1200XL (6" long anvil) | 3/4 | 1200 | 1200 | 7000 | Ring | 8 |

IM1800 – 1" Drive Heavy Duty Impact Wrench

Delivers 1800 ft. lbs. of output torque. Three position speed control and full power reverse for more control when tightening fasteners and full power for removing them.

| PART # | DRIVE SIZE (IN) | MAXIMUM TORQUE (FT LB) | BLOWS PER MINUTE | FREE SPEED (RPM) | SOCKET RETAINER TYPE | WEIGHT (LBS) |
|----------------------------------|-----------------|------------------------|------------------|------------------|----------------------|--------------|
| D-HANDLE – INSIDE TRIGGER | | | | | | |
| IM1800 | 1 | 1800 | 900 | 5500 | Hole | 15 |
| IM1800L (6" long anvil) | 1 | 1800 | 900 | 5500 | Hole | 15 |



MG725



MG1200



IM1800

Industry leading power-to-weight ratio!

POWER TOOLS SIOUX®
Sioux Impact Wrenches

IW75BP-6H & IW75BP-8H

These Super Heavy Duty units, in both the 3/4" & 1" drive, combine compact size with high power output. Units work well in tight access areas delivering over 1000 ft. lbs. of maximum torque.

| PART # | DRIVE SIZE (IN) | MAX WORKING TORQUE (FT LB) | MAXIMUM TORQUE (FT LB) | BLOWS PER MINUTE | FREE SPEED (RPM) | SOCKET RETAINER TYPE | WEIGHT (LBS) |
|--------------------|-----------------|----------------------------|------------------------|------------------|------------------|----------------------|--------------|
| PISTOL GRIP | | | | | | | |
| IW75BP-6H* | 3/4 | 800 | 1000 | 1000 | 5700 | Hole | 11.6 |
| IW75BP-8H* | 1 | 825 | 1100 | 1000 | 5700 | Hole | 11.7 |

*Socket not included.

IW100HAI-8H & IW100HAI-8H6

These Super Heavy Duty units – two 1" drive units, one with an extended anvil, and a 1-1/2" drive unit – combine exceptional power output with durability and operator convenience. The 1" drive units deliver 2000 ft. lbs. of maximum torque, while the 1-1/2" drive unit delivers 3000 ft. lbs. of maximum torque.

| PART # | DRIVE SIZE (IN) | MAX WORKING TORQUE (FT LB) | MAXIMUM TORQUE (FT LB) | BLOWS PER MINUTE | FREE SPEED (RPM) | SOCKET RETAINER TYPE | WEIGHT (LBS) |
|----------------------------------|-----------------|----------------------------|------------------------|------------------|------------------|----------------------|--------------|
| D-HANDLE – INSIDE TRIGGER | | | | | | | |
| IW100HAI-8H* | 1 | 1600 | 2000 | 850 | 5000 | Hole | 22 |
| IW100HAI-8H6* | 1 | 1600 | 2000 | 850 | 5000 | Hole | 26.2 |
| IW150HAI-12H* | 1-1/2 | 2500 | 3000 | 650 | 3750 | Hole | 33 |

*Socket not included.

POWER TOOLS PLARAD®
Plarad TM Series Two Speed Torque Multipliers

The TM Series Two Speed Torque Multipliers offer more ways than one for all your high torque bolting applications. These units feature light-weight titanium gear cases offering 30% in weight savings. Each has a two speed gear shift for more versatility and a higher torque range. Integrated swivel joint between drive and gear case insures reaction-free operation over the entire bolting cycle.

| PART # | DRIVE SIZE (IN) | TORQUE GEAR 1 (FT LB) | TORQUE GEAR 2 (FT LB) | SPEED GEAR 1 (RPM) | SPEED GEAR 2 (RPM) | WEIGHT (LBS) |
|--------------|-----------------|-----------------------|-----------------------|--------------------|--------------------|--------------|
| TM50AP-0775 | 3/4 | 45-188 | 125-580 | 69 | 12 | 10.7 |
| TM50AP-1075 | 1 | 59-295 | 220-900 | 30 | 8 | 13 |
| TM50AP-15100 | 1 | 40-370 | 150-1300 | 25 | 7 | 15.6 |
| TM50AP-25100 | 1 | 110-600 | 340-2100 | 9.4 | 2.6 | 22.4 |
| TM50AP-45150 | 1- 1/2 | 160-1100 | 500-3500 | 6 | 1.7 | 23.1 |
| TM50AP-60150 | 1- 1/2 | 220-1600 | 650-5000 | 5.3 | 1.5 | 36.3 |

All TM Series tools must be used with the FRLK1660 Filter-Regulator-Lubricator. It is used to regulate the air pressure which controls the torque output of the tool. The FRLK 1660 also properly lubricates the air motor for maximum life between service. Standard reaction arms are included with each tool and optional welding rings can be used to make custom reaction arms. See your salesman for more details.



IW75BP-6H



IW100HAI-8H



TM50AP-45150

reaction arm (included)

HYDRAULIC TORQUE ENERPAC®

| PART # | MAXIMUM DR SIZE (IN) | TORQUE AT 10,000 PSI (FT LB) | SOCKET SIZE RANGE (IN) | SIZE RANGE (MM) | WEIGHT (LBS) |
|--|----------------------|------------------------------|-------------------------|-------------------------|--------------|
| "S" Series Steel Square Drive Hydraulic Torque Wrenches | | | | | |
| ENES1500 | 3/4 | 1400 | 5/8 - 1-7/8 | 15-50 | 6 |
| ENES3000 | 1 | 3200 | 7/8 - 3-7/8 | 20-100 | 11 |
| ENES6000 | 1-1/2 | 6010 | 1-5/8 - 6-1/4 | 41-155 | 19 |
| ENES11000 | 1-1/2 | 11000 | 1-5/8 - 6-1/4 | 41-155 | 33 |
| ENES25000 | 2-1/2 | 25400 | 2-3/8 - 10 | 60-255 | 69 |
| PART # | MAXIMUM DR SIZE (IN) | TORQUE AT 10,000 PSI (FT LB) | HEX CASSETTE RANGE (IN) | HEX CASSETTE RANGE (MM) | WEIGHT (LBS) |
| "LP" Series Steel Low Profile Hexagon Hydraulic Torque Wrenches | | | | | |
| ENEW2000 | - | 2000 | 1-7/16 - 2-3/8 | 36-55 | 3 |
| ENEW4000 | - | 4000 | 2-3/16 - 3-1/8 | 55-80 | 5 |
| ENEW8000 | - | 8000 | 2-9/16 - 3-7/8 | 70-95 | 7 |
| ENEW15000 | - | 15000 | 3-1/8 - 4-5/8 | 80-115 | 11 |



ENES25000



ENES1500

"S" Series Hydraulic Torque Wrenches

- Nickel-plated steel for strength, durability and corrosion resistance.
- Maximum operating pressure of 10,000 psi.
- Robust design with minimal parts.
- Lightweight, ergonomic design for easy handling.
- Fast operation and rapid return stroke.
- 360 degree click-on, multi-position reaction arm.
- Push button square drive release for reversing direction when tightening or loosening.
- Single 360 degree hydraulic swivel manifold increases wrench and hose maneuverability.
- Includes storage case.

"LP" Series Steel Low Profile Hexagon Hydraulic Torque Wrenches

- Drive unit and cassette combined.
- Nickel-plated steel for strength, durability and corrosion resistance.
- High-speed, high degree of rotation angle.
- Quick release interchangeable low profile drive unit.
- No tools needed for changing the heads.
- Ultra slim, compact, low clearance tool with a small nose radius.
- Optimized strength-to-weight ratio.
- Contact your Snap-on Industrial Account Manager for information on cassettes, reducer inserts and holding rings.



ENEW8000

HYDRAULIC TORQUE ENERPAC®

Z-Class Electric Torque Wrench Pump

- Z-Class high-efficiency pump design; powerful 1.7 hp universal electric motor, higher oil flow, cooler running and requires 18% less current draw than comparable pumps.
- High-strength, molded composite shroud protects motor and electronics; non-conductive handle for easy transport.
- Low-voltage pendant provides additional safety for the operator (remote control units).
- LCD readout provides pressure display (replaces the traditional analog gauge) and a number of diagnostic and readout capabilities never before offered on a portable electric pump.
- Auto cycle feature provides continuous cycle operation of the torque wrench as long as the advance button is pressed. (Pump can be used with or without auto cycle feature.)
- Maximum operating pressure of 10,000 psi.
- Optional Heat Exchanger, Skid Bar and 4 Wrench Manifold available.

| PART # | MOTOR SIZE (HP) | USABLE OIL CAPACITY | OUTFLOW FLOW RATES (IN ³ /MIN) | OUTFLOW FLOW RATES (IN ³ /MIN) | OUTFLOW FLOW RATES (IN ³ /MIN) | OUTFLOW FLOW RATES (IN ³ /MIN) | WEIGHT (LBS) |
|--|-----------------|---------------------|---|---|---|---|--------------|
| | | | 100 PSI | 700 PSI | 5000 PSI | 10000 PSI | |
| Z-Class Electric Torque Wrench Pump | | | | | | | |
| ENEZU4204TBQ | 1.7 | 1 | 700 | 535 | 76 | 60 | 70 |

Enerpac Torque Wrench Hoses

- Twin 3.5:1 safety hoses designed to be used with only double-acting hydraulic torque wrenches.
- Maximum pressure of 10,000 psi.
- Double polyurethane outside covering provides more resistance to cuts and abrasions.
- Pressed-on rubber strain reliefs lengthen life and improve durability.
- Designed for high-cycle applications.
- Includes Parker twist-on couplers.

| PART # | SIZE (FT) |
|------------------------------------|-----------|
| Enerpac Torque Wrench Hoses | |
| ENETHQ706T | 20 |
| ENETHQ712T | 39 |

ENEZU4204TBQ



ENETHQ706T

SOCKET EXTENSIONS

| PART # | DESCRIPTION | LENGTH (IN) |
|---|-----------------------------|-------------|
| 3/4" Drive Impact Extensions and Accessories | | |
| JHW6-107 | Impact Extension | 7 |
| JHW6-110 | Impact Extension | 9-3/4 |
| JHW6-113 | Impact Extension | 12-3/4 |
| JHW6-140B | Impact Universal Joint | 3-1/2 |
| JHW6-7 | 1" M x 3/4" F Adapter | 2-3/4 |
| JHW6-4A | 1/2" M x 3/4" F Adapter | 2-1/2 |
| 1" Drive Impact Extensions and Accessories | | |
| JHW7-107 | Impact Extension | 7-1/4 |
| JHW7-113 | Impact Extension | 13 |
| JHW7-140B | Impact Universal Joint | 4-1/4 |
| JHW7-6 | 3/4" M x 1" F Adapter | 3 |
| JHW7-8 | 1 1/2" M x 3/4" F Adapter | 3-3/8 |
| 1-1/2" Drive Impact Extensions and Accessories | | |
| JHW8-108 | Impact Extension | 8 |
| JHW8-115 | Impact Extension | 15 |
| JHW8-140B | Impact Universal Joint | 6-1/16 |
| JHW8-7 | 1" M x 1 1/2" F Adapter | 4-1/4 |
| JHW8-8 | 1 1/2" M x 2 1/2" F Adapter | 6-3/8 |

RETAINING RINGS

| PART # | INSIDE DIA. (IN) |
|--|------------------|
| 3/4" Drive RET RING® One-Piece Impact Retaining Rings | |
| JHW6-1X | 1-7/16 |
| JHW6-2X | 1-5/8 |
| JHW6-3X | 1-1/4 |
| 1" Drive RET RING® One-Piece Impact Retaining Rings | |
| JHW7-1X | 1-3/4 |
| JHW7-2X | 1-15/16 |
| JHW7-3X | 2-1/8 |
| JHW7-4X | 2-1/2 |
| JHW7-5X | 2-5/8 |
| 1-1/2" Drive RET RING® One-Piece Impact Retaining Rings | |
| JHW8-1X | 2-7/8 |
| JHW8-2X | 3-3/8 |
| JHW8-3X | 3-7/8 |
| JHW8-4X | 4-3/8 |

RETAINING PINS

| PART # | DESCRIPTION | DIA. (IN) | LENGTH |
|---|-------------------------|-----------|--------|
| 3/4" Drive Impact Retaining Pins & Rings | | | |
| JHW6-1A | Impact Retaining O-Ring | 1-1/4 | n/a |
| JHW6-2B | Impact Retaining Pin | 3/16 | 1-1/4 |
| JHW6-2C | Impact Retaining Pin | 3/16 | 1-1/2 |
| 1" Drive Impact Retaining Pins & Rings | | | |
| JHW7-1B | Impact Retaining O-Ring | 2 | n/a |
| JHW7-2D | Impact Retaining Pin | 3/16 | 1-3/4 |
| JHW7-1C | Impact Retaining O-Ring | 3-1/4 | n/a |
| JHW7-2F | Impact Retaining Pin | 3/16 | 2-7/8 |
| 1-1/2" Drive Impact Retaining Pins & Rings | | | |
| JHW7-1C | Impact Retaining O-Ring | 3-1/4 | n/a |
| JHW8-2E | Impact Retaining Pin | 1/4 | 2-7/8 |
| JHW9-1D | Impact Retaining O-Ring | 4-1/8 | n/a |
| JHW9-2G | Impact Retaining Pin | 5/16 | 2-7/8 |



IMPACT SOCKETS 3/4" DRIVE, 6 POINT

| STANDARD | SIZE (IN) | DEEP | SIZE (IN) | METRIC | SIZE (MM) |
|----------|-----------|---------|-----------|---------|-----------|
| IM182A | 9/16 | - | | IMM172A | 17 |
| IM202A | 5/8 | - | | IMM192A | 19 |
| IM222A | 11/16 | - | | IMM202A | 20 |
| IM242A | 3/4 | SIM242 | 3/4 | IMM222A | 22 |
| IM262A | 13/16 | SIM262 | 13/16 | IMM242A | 24 |
| IM282A | 7/8 | SIM302 | 15/16 | IMM272A | 27 |
| IM302A | 15/16 | SIM322 | 1 | IMM302 | 30 |
| IM322A | 1 | SIM342 | 1-1/16 | IMM312 | 31 |
| IM342A | 1-1/16 | SIM362 | 1-1/8 | IMM322 | 32 |
| IM362 | 1-1/8 | SIM382 | 1-3/16 | IMM342 | 34 |
| IM382 | 1-3/16 | SIM402 | 1-1/4 | IMM352 | 35 |
| IM402 | 1-1/4 | SIM422 | 1-5/16 | IMM362 | 36 |
| IM422 | 1-5/16 | SIM442 | 1-3/8 | IMM382 | 38 |
| IM442 | 1-3/8 | SIM462 | 1-7/16 | IMM402 | 40 |
| IM462 | 1-7/16 | SIM482 | 1-1/2 | IMM462 | 46 |
| IM482 | 1-1/2 | SIM502 | 1-9/16 | | |
| IM502 | 1-9/16 | SIM522 | 1-5/8 | | |
| IM522 | 1-5/8 | SIM542 | 1-11/16 | | |
| IM542 | 1-11/16 | SIM562 | 1-3/4 | | |
| IM562 | 1-3/4 | SIM582 | 1-13/16 | | |
| IM582 | 1-13/16 | SIM602 | 1-7/8 | | |
| IM602 | 1-7/8 | SIM642A | 2 | | |
| IM642A | 2 | | | | |
| IM662A | 2-1/16 | | | | |
| IM702A | 2-3/16 | | | | |
| IM722A | 2-1/4 | | | | |
| IM762A | 2-3/8 | | | | |



SOCKETS SETS 1/2" DRIVE

| STANDARD | SIZE | DEEP | SIZE |
|-----------|------------|------------|------------|
| 311IMYA* | 3/8" - 1" | 309SIMYA* | 1/2" - 1" |
| 315IMMYA* | 10 - 24 mm | 310SIMMYA* | 10 - 19 mm |

*Socket sets do not include rails and clips.

IMPACT SOCKETS 1" DRIVE, 6 POINT

| STANDARD | SIZE (IN) | STANDARD | SIZE (IN) |
|----------|-----------|-----------|-----------|
| JHW7-624 | 3/4 | JHW7-688 | 2-3/4 |
| JHW7-626 | 13/16 | JHW7-690 | 2-13/16 |
| JHW7-628 | 7/8 | JHW7-692 | 2-7/8 |
| JHW7-630 | 15/16 | JHW7-694 | 2-15/16 |
| JHW7-632 | 1 | JHW7-696 | 3 |
| JHW7-634 | 1-1/16 | JHW7-6100 | 3-1/8 |
| JHW7-636 | 1-1/8 | JHW7-6104 | 3-1/4 |
| JHW7-638 | 1-3/16 | JHW7-6108 | 3-3/8 |
| JHW7-640 | 1-1/4 | JHW7-6112 | 3-1/2 |
| JHW7-642 | 1-5/16 | JHW7-6116 | 3-5/8 |
| JHW7-644 | 1-3/8 | JHW7-6118 | 3-11/16 |
| JHW7-646 | 1-7/16 | JHW7-6120 | 3-3/4 |
| JHW7-648 | 1-1/2 | JHW7-6122 | 3-13/16 |
| JHW7-650 | 1-9/16 | JHW7-6124 | 3-7/8 |
| JHW7-652 | 1-5/8 | JHW7-6126 | 3-15/16 |
| JHW7-654 | 1-11/16 | JHW7-6128 | 4 |
| JHW7-656 | 1-3/4 | JHW7-6130 | 4-1/16 |
| JHW7-658 | 1-13/16 | JHW7-6132 | 4-1/8 |
| JHW7-660 | 1-7/8 | JHW7-6134 | 4-3/16 |
| JHW7-662 | 1-15/16 | JHW7-6136 | 4-1/4 |
| JHW7-664 | 2 | JHW7-6138 | 4-5/16 |
| JHW7-666 | 2-1/16 | JHW7-6140 | 4-3/8 |
| JHW7-668 | 2-1/8 | JHW7-6142 | 4-7/16 |
| JHW7-670 | 2-3/16 | JHW7-6144 | 4-1/2 |
| JHW7-672 | 2-1/4 | JHW7-6146 | 4-9/16 |
| JHW7-674 | 2-5/16 | JHW7-6148 | 4-5/8 |
| JHW7-676 | 2-3/8 | JHW7-6152 | 4-3/4 |
| JHW7-678 | 2-7/16 | JHW7-6156 | 4-7/8 |
| JHW7-680 | 2-1/2 | JHW7-6160 | 5 |
| JHW7-682 | 2-9/16 | JHW7-6172 | 5-3/8 |
| JHW7-684 | 2-5/8 | JHW7-6184 | 5-3/4 |
| JHW7-686 | 2-11/16 | | |

JHW17-660



JHW7-654



IMPACT SOCKETS 1" DRIVE, 6 POINT (cont.)

| DEEP | SIZE (IN) | DEEP | SIZE (IN) | METRIC | SIZE (MM) |
|-----------|-----------|------------|-----------|-----------|-----------|
| JHW17-632 | 1 | JHW17-692 | 2-7/8 | JHW7M-627 | 27 |
| JHW17-634 | 1-1/16 | JHW17-694 | 2-15/16 | JHW7M-630 | 30 |
| JHW17-636 | 1-1/8 | JHW17-696 | 3 | JHW7M-632 | 32 |
| JHW17-638 | 1-3/16 | JHW17-6100 | 3-1/8 | JHW7M-635 | 35 |
| JHW17-640 | 1-1/4 | JHW17-6104 | 3-1/4 | JHW7M-638 | 38 |
| JHW17-642 | 1-5/16 | JHW17-6108 | 3-3/8 | JHW7M-641 | 41 |
| JHW17-644 | 1-3/8 | JHW17-6112 | 3-1/2 | JHW7M-646 | 46 |
| JHW17-646 | 1-7/16 | JHW17-6116 | 3-5/8 | JHW7M-650 | 50 |
| JHW17-648 | 1-1/2 | JHW17-6118 | 3-11/16 | JHW7M-660 | 60 |
| JHW17-650 | 1-9/16 | JHW17-6120 | 3-3/4 | JHW7M-665 | 65 |
| JHW17-652 | 1-5/8 | JHW17-6122 | 3-13/16 | JHW7M-670 | 70 |
| JHW17-654 | 1-11/16 | JHW17-6124 | 3-7/8 | JHW7M-675 | 75 |
| JHW17-656 | 1-3/4 | JHW17-6126 | 3-15/16 | | |
| JHW17-658 | 1-13/16 | JHW17-6128 | 4 | | |
| JHW17-660 | 1-7/8 | JHW17-6130 | 4-1/16 | | |
| JHW17-662 | 1-15/16 | JHW17-6132 | 4-1/8 | | |
| JHW17-664 | 2 | JHW17-6134 | 4-3/16 | | |
| JHW17-666 | 2-1/16 | JHW17-6136 | 4-1/4 | | |
| JHW17-668 | 2-1/8 | JHW17-6138 | 4-5/16 | | |
| JHW17-670 | 2-3/16 | JHW17-6140 | 4-3/8 | | |
| JHW17-672 | 2-1/4 | JHW17-6142 | 4-7/16 | | |
| JHW17-674 | 2-5/16 | JHW17-6144 | 4-1/2 | | |
| JHW17-676 | 2-3/8 | JHW17-6146 | 4-9/16 | | |
| JHW17-678 | 2-7/16 | JHW17-6148 | 4-5/8 | | |
| JHW17-680 | 2-1/2 | JHW17-6152 | 4-3/4 | | |
| JHW17-682 | 2-9/16 | JHW17-6156 | 4-7/8 | | |
| JHW17-684 | 2-5/8 | JHW17-6160 | 5 | | |
| JHW17-686 | 2-11/16 | JHW17-6172 | 5-3/8 | | |
| JHW17-688 | 2-3/4 | JHW17-6184 | 5-3/4 | | |
| JHW17-690 | 2-13/16 | | | | |

JHW7M-650



RATCHET HEAD & HANDLES 1" DRIVE

| PART # | DESCRIPTION |
|--------|----------------------|
| GL873 | Ratchet head |
| L53HB | Ratchet handle - 29" |

GL873



L53HB



IMPACT SOCKETS 1-1/2" DRIVE, 6 POINT

| STANDARD | SIZE (IN) | STANDARD | SIZE (IN) |
|-----------|-----------|-----------|-----------|
| JHW8-646 | 1-7/16 | JHW8-6110 | 3-7/16 |
| JHW8-648 | 1-1/2 | JHW8-6112 | 3-1/2 |
| JHW8-652 | 1-5/8 | JHW8-6116 | 3-5/8 |
| JHW8-654 | 1-11/16 | JHW8-6120 | 3-3/4 |
| JHW8-656 | 1-3/4 | JHW8-6122 | 3-13/16 |
| JHW8-658 | 1-13/16 | JHW8-6124 | 3-7/8 |
| JHW8-660 | 1-7/8 | JHW8-6128 | 4 |
| JHW8-664 | 2 | JHW8-6132 | 4-1/8 |
| JHW8-666 | 2-1/16 | JHW8-6136 | 4-1/4 |
| JHW8-668 | 2-1/8 | JHW8-6138 | 4-5/16 |
| JHW8-670 | 2-3/16 | JHW8-6140 | 4-3/8 |
| JHW8-672 | 2-1/4 | JHW8-6144 | 4-1/2 |
| JHW8-676 | 2-3/8 | JHW8-6148 | 4-5/8 |
| JHW8-678 | 2-7/16 | JHW8-6152 | 4-3/4 |
| JHW8-680 | 2-1/2 | JHW8-6156 | 4-7/8 |
| JHW8-682 | 2-9/16 | JHW8-6160 | 5 |
| JHW8-684 | 2-5/8 | JHW8-6172 | 5-3/8 |
| JHW8-688 | 2-3/4 | JHW8-6184 | 5-3/4 |
| JHW8-692 | 2-7/8 | JHW8-6196 | 6-1/8 |
| JHW8-694 | 2-15/16 | JHW8-6208 | 6-1/2 |
| JHW8-696 | 3 | JHW8-6220 | 6-7/8 |
| JHW8-698 | 3-1/16 | JHW8-6223 | 7-1/4 |
| JHW8-6100 | 3-1/8 | JHW8-6244 | 7-5/8 |
| JHW8-6104 | 3-1/4 | JHW8-6256 | 8 |
| JHW8-6108 | 3-3/8 | | |



JHW8-696

L55-1



L55-2

ACCESSORIES 1-1/2" DRIVE

| PART # | DESCRIPTION |
|--------|---------------|
| L55-1 | Handle |
| L55-2 | Drive Head |
| L55 | Complete Tool |



L55 (complete tool)

WRENCHES
SNAP-ON®

JH WILLIAMS®

| PART # | SIZE (IN) | PART # | SIZE (IN) |
|---|-----------|---|-----------|
| Snap-on Combination Wrenches | | SUPERCOMBO® Combination Wrenches | |
| GOEX10B | 5/16 | JHW1182B | 1-11/16 |
| GOEX12B | 3/8 | JHW1184B | 1-3/4 |
| GOEX14B | 7/16 | JHW1186B | 1-13/16 |
| GOEX16B | 1/2 | JHW1188B | 1 7/8 |
| GOEX18B | 9/16 | JHW1190B | 2 |
| GOEX20B | 5/8 | JHW1191B | 2-1/16 |
| GOEX22B | 11/16 | JHW1192B | 2-1/8 |
| GOEX24B | 3/4 | JHW1193B | 2-3/16 |
| GOEX26B | 13/16 | JHW1194B | 2-1/4 |
| GOEX28B | 7/8 | JHW1195B | 2 3/8 |
| GOEX30B | 15/16 | JHW1197B | 2-1/2 |
| GOEX32B | 1 | JHW1198BL | 2-5/8 |
| GOEX34B | 1-1/16 | JHW1198ABL | 2-3/4 |
| GOEX36B | 1-1/8 | JHW1198BBL | 2-7/8 |
| GOEX38B | 1- 3/16 | JHW1198CBL | 2-15/16 |
| GOEX40B | 1- 1/4 | JHW1199BL | 3 |
| GOEX42B | 1- 5/16 | JHW1199ABL | 3-1/8 |
| GOEX44B | 1- 3/8 | JHW1199BBL | 3-3/8 |
| GOEX46B | 1- 7/16 | JHW1199CBL | 3-1/2 |
| GOEX48B | 1-1/2 | | |
| GOEX50B | 1-9/16 | | |
| GOEX52B | 1-5/8 | | |



WRENCH SETS

| PART # | DESCRIPTION |
|----------------------------|-------------------|
| Snap-on Wrench Sets | |
| GOEX714K | GOEX12B - GOEX40B |
| GOEX722K | GOEX10B - GOEX52B |



22-Piece Set GOEX722K 5/16" through 1- 5/8" in Kit Bag
(Not shown: **14-Piece Set** GOEX714K 3/8" through 1- 1/8", plus 1- 1/4")

WRENCHES TORQUE

| PART # | DRIVE SIZE (IN) | TORQUE (FT LB) | TORQUE (IN LB) | TORQUE (NM) | INCREMENT | LENGTH |
|--------------|-----------------|----------------|----------------|-------------|-------------------|--------|
| TECH4R600 | 3/4 | 60-600 | 720-7200 | 81-813 | n/a | 48 |
| QD4R400 | 3/4 | 80-400 | n/a | n/a | 2.5 ft. lb. | 36 |
| QD4R600 | 3/4 | 120-600 | n/a | n/a | 5 ft. lb. | 43 |
| QD5R1000 | 1 | 200-1000 | n/a | n/a | 5 ft. lb. | 71 |
| TQR400E* | 3/4 | 80-400 | n/a | n/a | 10 ft. lb. | 39 |
| TQR600E* | 3/4 | 120-600 | n/a | n/a | 10 ft. lb. | 49 |
| TEC352FUA | 3/4 | 350 | n/a | 50kg•m | 1kg•m /10 ft. lb. | 30 |
| TEC602FUA | 3/4 | 600 | n/a | 80kg•m | 2kg•m /20 ft. lb. | 41 |
| TEC803FU** | 1 | 800 | n/a | 110kg•m | 2kg•m /25 ft. lb. | 67 |
| TEC1003FU** | 1 | 1000 | n/a | 136kg•m | 2kg•m /20 ft. lb. | 67 |
| TEC1503FU+ | 1 | 1500 | n/a | 200kg•m | 5kg•m /25 ft. lb. | 380 |
| TEC2003FU+ | 1 | 2000 | n/a | 280kg•m | 5kg•m /50 ft. lb. | 80 |
| TEC2005FU+ | 1-1/2 | 2000 | n/a | 280kg•m | 5kg•m /50 ft. lb. | 80 |
| TEC3005FU++ | 2-1/2 | 3000 | n/a | 400kg•m | 5kg•m /50 ft. lb. | 140 |
| TEXC602TFUA | 3/4 | 600 | n/a | 80kg•m | 2kg•m /20 ft. lb. | 9 |
| TEXC1003TFUA | 1 | 1000 | n/a | 136kg•m | 2kg•m /20 ft. lb. | 10 |
| TEXC2003TFU | 1 | 2000 | n/a | 280kg•m | 5kg•m /50 ft. lb. | 11 |

- * 3-piece construction disassembles for storage/transport.
- ** Includes separately packed 92TQPA 4' tubular extension handle.
- + Includes separately packed 93TQPA 5' tubular extension handle.
- ++ Includes separately packed 94TQPA 10' tubular extension handle.



TECH4R600



TEC352FUA



TEXC2003TFU



QD5R1000

MULTIPLIERS GEARED HEAD

Some models feature a replacement square drive to protect components by automatically shearing when rated output is exceeded by 3% to 10%. All models include an input/output conversion chart in ft. lb. and N•m.

Reversible Air Motor

YA390 provides up to 200 ft. lb. of input power for each of the YA Series Gear Multipliers. Output drive: 1/2". Maximum operating air pressure: 60 PSIG. Free speed: 70 RPM. Dimensions 16- 1/4" x 3-1/8" x 4-3/4"

| PART # | REACTION TYPE | OUTPUT CAPACITY (FT LB) | INPUT CAPACITY (FT LB) | GEAR RATIO | TORQUE RATIO | REDUCTIONS | INPUT DRIVE FEMALE SQUARE (IN) | OUTPUT DRIVE MALE SQUARE (IN) | BEARINGS | LENGTH (IN) |
|-----------|---------------|-------------------------|------------------------|------------|--------------|------------|--------------------------------|-------------------------------|----------|-------------|
| YA290PLUS | Bar | 750 | 227 | 1:04 | 1:3.3 | 1 | 1/2 | 3/4 | - | 8-3/4 |
| YA300 | Bar | 1000 | 303 | 4:1 | 3.3:1** | 1 | 1/2 | 3/4 | - | 17-1/2 |
| YA391 | Bar | 1200 | 200 | 6.3:1 | 6:1* | 1 | 1/2 | 3/4 | Needle | 20 |
| YA292 | Bar | 2000 | 500 | 4.27:1 | 3.7:1** | 1 | 3/4 | 1 | - | 19-1/2 |
| YA392 | Bar | 2200 | 162 | 15:1 | 13.6:1* | 2 | 1/2 | 1 | Needle | 20 |
| YA393 | Bar | 3200 | 173 | 20.25:1 | 18.5:1* | 3 | 1/2 | 1 | Needle | 20 |
| YA394 | Plate | 5000 | 189 | 29.25:1 | 26.5:1* | 2 | 1/2 | 1-1/2 | Needle | 15 |
| YA395 | Plate | 8000 | 154 | 60:1 | 52:1* | 2 | 1/2 | 1-1/2 | Needle | 15-1/2 |

* Torque accuracy ratio is ± 5%

** Torque accuracy ratio is ± 10%

NOTE: Handle or other anchor plate serves as a "reaction bar" and must be placed against a strong fixed object.



TUBULAR HANDLE WRENCHES JH WILLIAMS®

| PART # | SIZE (IN) | SIZE (MM) |
|---|-----------|-----------|
| Open End Tubular Handle Wrenches | | |
| JHW1228TOE | 7/8 | - |
| JHW1230TOE | 15/16 | - |
| JHW1232TOE | 1 | - |
| JHW1234TOE | 1-1/16 | - |
| JHW1236TOE | 1-1/8 | - |
| JHW1240TOE | 1-1/4 | 32 |
| JHW1242TOE | 1-5/16 | 33 |
| JHW1246TOE | 1-7/16 | 36 |
| JHW1248TOE | 4-1/2 | 38 |
| Offset Box End Tubular Handle Wrenches | | |
| JHW1234TOB | 1-1/16 | - |
| JHW1236TOB | 1-1/8 | - |
| JHW1240TOB | 1-1/4 | 32 |
| JHW1242TOB | 1-5/16 | 33 |
| JHW1244TOB | 1-3/8 | 35 |
| JHW1246TOB | 1-7/16 | 36 |
| JHW1248TOB | 1-1/2 | 38 |
| JHW1250TOB | 1-9/16 | 40 |
| JHW1252TOB | 1-5/8 | 41 |
| JHW1254TOB | 1-11/16 | 43 |
| JHW1256TOB | 1-3/4 | 44 |
| JHW1258TOB | 1-13/16 | 46 |
| JHW1260TOB | 1-7/8 | 47 |
| JHW1264TOB | 2 | 51 |
| JHW1266TOB | 1-1/16 | 52 |
| JHW1270TOB | 2-3/16 | 55 |
| JHW1272TOB | 2-1/4 | 57 |
| JHW1276TOB | 2-3/8 | 60 |
| JHW1282TOB | 2-9/16 | 65 |
| JHW1284TOB | 2-5/8 | 67 |
| JHW1288TOB | 2-3/4 | 70 |
| JHW1294TOB | 2-15/16 | 75 |
| JHW12100TOB | 3-1/8 | 79 |

| PART # | SIZE (IN) | SIZE (MM) |
|---|-----------|-----------|
| Straight Box End Tubular Handle Wrenches | | |
| JHW1224TSB | 3/4 | - |
| JHW1226TSB | 13/16 | - |
| JHW1228TSB | 7/8 | - |
| JHW1230TSB | 5/16 | - |
| JHW1232TSB | 1 | - |
| JHW1234TSB | 1-1/16 | - |
| JHW1236TSB | 1-1/8 | - |
| JHW1240TSB | 1-1/4 | 32 |
| JHW1242TSB | 1-5/16 | 33 |
| JHW1246TSB | 1-7/16 | 36 |
| JHW1248TSB | 1-1/2 | 38 |
| JHW1252TSB | 1-5/8 | 41 |

| PART # | LENGTH (IN) |
|-------------------------------|-------------|
| Tubular Wrench Handles | |
| JHW13TH | 13-1/2 |
| JHW24TH | 24 |
| JHW36TH | 36 |



JHW1224TSB

JHW1234TOB

Versatile design allows for wrench to be used with or without optional handle.



JHW13TH

JHW1228TOE

STRIKING WRENCHES JH WILLIAMS®

| PART # | SIZE (IN) | SIZE (MM) |
|---|-----------|-----------|
| Straight Pattern Box End Striking Wrenches | | |
| JHWSFH1808BW | 1-3/16 | 30 |
| JHWSFH1808W | 1-1/4 | 32 |
| JHWSFH1808AW | 1-5/16 | 33 |
| JHWSFH1808CW | 1-3/8 | 35 |
| JHWSFH1809W | 1-7/16 | - |
| JHWSFH1809BW | - | 36 |
| JHWSFH1809AW | 1-1/2 | 38 |
| JHWSFH1810W | 1-5/8 | 41 |
| JHWSFH1810AW | 1-11/16 | 43 |
| JHWSFH1810BW | 1-3/4 | 44 |
| JHWSFH1811W | 1-13/16 | 46 |
| JHWSFH1811AW | 1-7/8 | - |
| JHWSFH1812BW | - | 50 |
| JHWSFH1812W | 2 | 51 |
| JHWSFH1812AW | 2-1/16 | 52 |
| JHWSFH1813W | 2-3/16 | 55 |
| JHWSFH1813AW | 2-3/8 | 60 |
| JHWSFH1814AW | 2-7/16 | 62 |
| JHWSFH1814BW | 2-1/2 | 64 |
| JHWSFH1815W | 2-9/16 | 65 |
| JHWSFH1815AW | 2-5/8 | 67 |
| JHWSFH1816W | 2-3/4 | 70 |
| JHWSFH1816AW | 2-13/16 | 71 |
| JHWSFH1816BW | 2-15/16 | 75 |
| JHWSFH1817AW | 3 | 76 |
| JHWSFH1817W | 3-1/8 | 80 |
| JHWSFH1818AW | 3-3/8 | 85 |
| JHWSFH1818W | 3-1/2 | 89 |
| JHWSFH1819BWA | 3-3/4 | 95 |
| JHWSFH1819WA | 3-7/8 | 98 |
| JHWSFH1819CWA | 4-1/8 | 105 |
| JHWSFH1819AWA | 4-1/4 | 108 |
| JHWSFH1820BWA | 4-1/2 | 114 |
| JHWSFH1820WA | 4-5/8 | 117 |

| PART # | SIZE (IN) | SIZE (MM) |
|---|-----------|-----------|
| Offset Pattern Box End Striking Wrenches | | |
| JHW8807W | 1-1/16 | 27 |
| JHW8807AW | 1-1/8 | - |
| JHW8808BW | 1-3/16 | 30 |
| JHW8808W | 1-1/4 | 32 |
| JHW8808AW | 1-5/16 | 33 |
| JHW8808CW | 1-3/8 | 35 |
| JHW8809W | 1-7/16 | - |
| JHW8809BW | - | 36 |
| JHW8809AW | 1-1/2 | 38 |
| JHW8810W | 1-5/8 | 41 |
| JHW8810AW | 1-11/16 | 43 |
| JHW8811BW | 1-3/4 | 44 |
| JHW8811W | 1-13/16 | 46 |
| JHW8811AW | 1-7/8 | - |
| JHW8812AW | 1-15/16 | 49 |
| JHW8812BW | - | 50 |
| JHW8812W | 2 | 51 |
| JHW8813BW | 2-1/8 | 54 |
| JHW8813W | 2-3/16 | 55 |
| JHW8813AW | 2-1/4 | 57 |
| JHW8814AW | 2-5/16 | 59 |
| JHW8814W | 2-3/8 | 60 |
| JHW8815BW | 2-1/2 | 64 |
| JHW8815W | 2-9/16 | 65 |
| JHW8815AW | 2-5/8 | 67 |
| JHW8816W | 2-3/4 | 70 |
| JHW8816CW | 2-7/8 | 73 |
| JHW8816BW | 2-15/16 | 75 |
| JHW8817AW | 3 | 76 |
| JHW8817W | 3-1/8 | 80 |
| JHW8818AW | 3-3/8 | 85 |
| JHW8818W | 3-1/2 | 89 |
| JHW8819BW | 3-3/4 | 95 |
| JHW8819W | 3-7/8 | 98 |
| JHW8819CW | 4-1/8 | 105 |
| JHW8819AW | 4-1/4 | 108 |

JHWSFH1812W

JHW8811BW

Offset handle is close to head to provide clearance in confined areas.