

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

72

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



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