

HYDRAULIC TORQUE WRENCHES

MT-HTW · HXW

SQUARE DRIVE & LOW-PROFILE RANGE CATALOGUE

MT-HTW



MAUCOTOOLS · HYDRAULIC TORQUE WRENCH RANGE

Precision hydraulic bolting, from 55 to 136,312 Nm.

Five wrench series built on one platform: a mono-body aircraft-grade aluminium housing, a high-strength multi-tooth ratchet with 27° stroke, anti-backlash drive for true hands-off operation, and guaranteed $\pm 3\%$ accuracy at 100% duty cycle. Four square-drive executions — standard, external-spline, uniswivel and inline-reaction — plus the MT-HXW low-profile hex cassette for the tightest clearances. All tools run at 700 bar from the same electric or pneumatic power packs, one to four tools per pump.

- Mono-body 7075-T6 aircraft-grade aluminium housing
- Guaranteed $\pm 3\%$ accuracy, 100% repeatability
- Anti-backlash mechanism — hands-off operation
- Dual 360° swivel quick-couplers, 4:1 safety ratio
- “Push-through” drive — tighten or loosen without removal
- Laser-engraved torque chart on the housing
- One pump platform for the whole range, 1–4 tools
- Pairs with the MT-IS impact socket range

55 – 136,312
NM TORQUE RANGE

36
MODELS · 5 SERIES

$\pm 3\%$
OUTPUT ACCURACY

100%
DUTY CYCLE

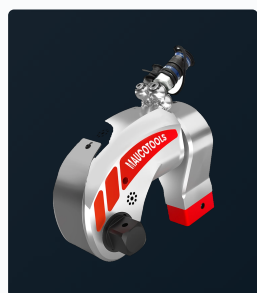
700
BAR MAX PRESSURE

THE RANGE

five series · one hydraulic platform



MT-HTW
Square Drive
98 – 136,312 Nm
12 models



MT-HTW-E
External Spline
177 – 15,808 Nm
5 models



MT-HTW-U
Uniswivel 360x180
177 – 15,808 Nm
5 models



MT-HTW-Q
EVOQ · Inline Reaction
177 – 15,808 Nm
5 models



MT-HXW
Low-Profile Hex
55 – 64,234 Nm
9 models

TYPICAL APPLICATIONS

PETROCHEMICAL · REFINERIES · OFFSHORE & SUBSEA · WIND ENERGY · POWER GENERATION · PIPELINES · HEAVY STEEL STRUCTURES

HYDRAULIC TORQUE WRENCHES

MT-HTW

SQUARE DRIVE

MT-HTW



MAUCOTOOLS · MT-HTW SERIES

The core of the range — twelve models, 98 to 136,312 Nm.

The MT-HTW square-drive series delivers accurate, repeatable bolting across twelve models. A single-piece aluminium body keeps the tool light, while the multi-tooth ratchet and anti-backlash drive make hands-off, high-cycle work fast and safe — on petrochemical plants, offshore platforms, wind towers and heavy steel structures.

- Mono-body 7075-T6 aircraft-grade aluminium housing
- Dual 360° swivel quick-couplers, 4:1 safety ratio
- Guaranteed ±3% accuracy, 100% repeatability
- Anti-backlash mechanism for true hands-off operation
- 27° drive stroke, high-strength multi-tooth ratchet
- “Push-through” drive — tighten or loosen without removal
- Laser-engraved torque chart on the housing
- Long reaction arm with replaceable protective pad

TECHNICAL SPECIFICATIONS

MODEL	SQUARE DRIVE	MIN TORQUE (NM)	MAX TORQUE (NM)	WEIGHT (KG)
MT-HTW-1000	3/4"	98	1,040	1.0
MT-HTW-1250	3/4"	128	1,236	1.25
MT-HTW-1800	3/4"	177	1,795	2.5
MT-HTW-4500	1"	441	4,511	4.2
MT-HTW-7500	1.1/2"	765	7,590	8.4
MT-HTW-10000	1.1/2"	1,000	10,003	8.9
MT-HTW-16000	1.1/2"	1,589	15,808	13.6
MT-HTW-20000	2.1/2"	2,001	20,006	22.0
MT-HTW-28000	2.1/2"	2,628	27,969	28.5
MT-HTW-37000	2.1/2"	3,678	36,893	32.7
MT-HTW-78000	2.1/2"	7,865	78,649	60.8
MT-HTW-136000	3.1/2"	13,631	136,312	109

DIMENSIONS

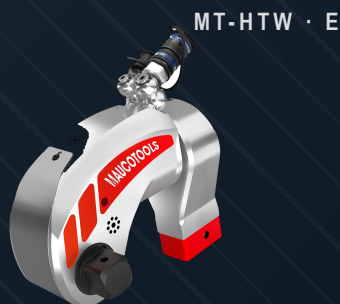
millimetres (mm)

MODEL	H	L1	L2	R	W1	W2	W3
MT-HTW-1000	78	120	91.5	18.7	40	52.6	86.7
MT-HTW-1250	88	94	123	20	42	65	87
MT-HTW-1800	105	121	160	25	51	72	118
MT-HTW-4500	135	153	213	33	67	93	149
MT-HTW-7500	163	194	254	41	82	116	175
MT-HTW-10000	182	208	291	45	92	128	204
MT-HTW-16000	198	227	313	50	100	137	225
MT-HTW-20000	232	295	373	58.7	100	158	252
MT-HTW-28000	237	274	390	58	124	183	275
MT-HTW-37000	259	294	415	63	134	194	293
MT-HTW-78000	292	367	522	79	167	226	372
MT-HTW-136000	349	469	619	95	200	260	412

HYDRAULIC TORQUE WRENCHES

MT-HTW-E · U

EXTERNAL SPLINE ·
UNISWIVEL 360×180



MT-HTW · E

MAUCOTOOLS · EXTERNAL SPLINE

MT-HTW-E — same torque, smaller footprint.

The -E execution moves the drive splines to the outside of the tool body, shrinking the overall diameter without losing torque. Five models from 1,795 to 15,808 Nm reach into confined bores and tight flange spacings where a standard square-drive body cannot fit.

MT-HTW-E — SPECIFICATIONS & DIMENSIONS

mm

MODEL	SQUARE DRIVE	MIN TORQUE (NM)	MAX TORQUE (NM)	WEIGHT (KG)
MT-HTW-1800-E	3/4"	177	1,795	2.64
MT-HTW-4500-E	1"	441	4,511	5.0
MT-HTW-7500-E	1.1/2"	765	7,590	8.4
MT-HTW-10000-E	1.1/2"	1,000	10,003	12.7
MT-HTW-16000-E	1.1/2"	1,589	15,808	15.8

MODEL	H	L1	L2	R	W1	W2	W3
MT-HTW-1800-E	105.3	112.4	160.4	24.9	51.0	68.8	117.6
MT-HTW-4500-E	134.5	152.8	212.8	32.5	67.0	93.3	148.7
MT-HTW-7500-E	161.6	181.6	251.8	41.3	79.4	111.2	175.1
MT-HTW-10000-E	182.2	208.4	290.9	45.2	91.8	128.4	203.9
MT-HTW-16000-E	198.4	227.4	313.3	49.9	100.0	136.8	225.0



MT-HTW · U

MAUCOTOOLS · UNISWIVEL 360×180

MT-HTW-U — slim body, total hose freedom.

The -U execution pairs a slim-line body with a 360×180 swivel coupling, so hydraulic hoses can be routed from almost any angle in cramped assemblies. Five models cover 1,795 to 15,808 Nm at the lowest weight in the range.

MT-HTW-U — SPECIFICATIONS & DIMENSIONS

mm

MODEL	SQUARE DRIVE	MIN TORQUE (NM)	MAX TORQUE (NM)	WEIGHT (KG)
MT-HTW-1800-U	3/4"	177	1,795	1.8
MT-HTW-4500-U	1"	441	4,511	4.16
MT-HTW-7500-U	1.1/2"	755	7,551	8.9
MT-HTW-10000-U	1.1/2"	1,000	10,003	9.4
MT-HTW-16000-U	1.1/2"	1,589	15,808	14.0

MODEL	H	L1	L2	R	W1	W2	W3
MT-HTW-1800-U	102	121	160	25	51	72	118
MT-HTW-4500-U	129	153	213	33	67	93	149
MT-HTW-7500-U	160	194	254	41	82	116	175
MT-HTW-10000-U	179	208	291	45	92	128	204
MT-HTW-16000-U	195	227	313	50	100	137	225

Both executions share all MT-HTW platform features. Weights include couplers, swivels, reaction arm and internal oil. Dimensions in mm: H = height, L1/L2 = length, R = nose radius, W1/W2/W3 = width. Data may change without notice.

HYDRAULIC TORQUE WRENCHES

MT-HTW-Q

EVOQ · INLINE REACTION

MT-HTW · Q



MAUCOTOOLS · EVOQ · INLINE REACTION

MT-HTW-Q — no torsional load on the body.

The -Q execution aligns the reaction arm with the square drive, so reaction force no longer twists the tool body as on conventional wrenches. The result is a stable, universal-fit tool across five models from 1,795 to 15,808 Nm.

- Inline “drive-to-reaction” geometry
- Removes torsional load on the tool body
- Universal reaction on most applications
- All MT-HTW platform features retained

MT-HTW-Q — SPECIFICATIONS & DIMENSIONS

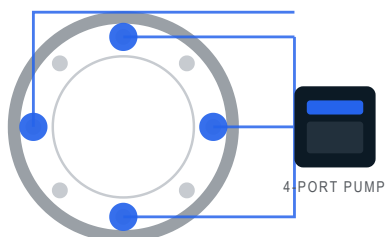
mm

MODEL	SQUARE DRIVE	MIN TORQUE (NM)	MAX TORQUE (NM)	WEIGHT (KG)
MT-HTW-1800-Q	3/4"	177	1,795	1.77
MT-HTW-4500-Q	1"	441	4,511	4.09
MT-HTW-7500-Q	1.1/2"	755	7,551	8.85
MT-HTW-10000-Q	1.1/2"	1,000	10,003	13.5
MT-HTW-16000-Q	1.1/2"	1,589	15,808	16.8

MODEL	H	L1	L2	R	W1	W2	W3
MT-HTW-1800-Q	104.6	109.0	170.9	25.0	66.0	101.0	141.0
MT-HTW-4500-Q	134.5	148.8	209.0	32.5	82.8	123.3	183.0
MT-HTW-7500-Q	162.3	176.0	216.7	41.3	100.0	159.0	200.0
MT-HTW-10000-Q	182.2	208.4	290.9	45.2	116.8	177.2	218.0
MT-HTW-16000-Q	198.4	227.4	313.3	49.9	125.0	186.3	250.7

SIMULTANEOUS MULTI-TOOL BOLTING

even gasket loading


Four wrenches, one pump, one push of a button.

On critical flanges, criss-cross tightening with a single tool loads the gasket unevenly and risks crushing or over-torquing. Running up to four MT-HTW wrenches in parallel from a single 4-port power pack closes the gap evenly and applies equal torque at $\pm 3\%$ accuracy — one operator, simultaneous loading, even gasket compression. The 4-port manifold is available on the electric and pneumatic power packs shown on page 6.

HYDRAULIC TORQUE WRENCHES

MT-HXW

LOW-PROFILE HEX

MT-HXW



MAUCOTOOLS · MT-HXW SERIES

The flattest wrench in the range — for the tightest nuts.

The MT-HXW low-profile series replaces the square drive with a hex link cassette, giving the flattest possible profile for clearance above, behind and between nuts. Nine cylinders from 667 to 64,234 Nm each accept a range of interchangeable hex links, changed with a single pin — where tensioners, multipliers and standard wrenches simply do not fit.

- Flat cylinder-and-link cassette design
- Equal cylinder / link width — sits flat on the flange
- Hex links changed with a single link pin
- Fits above, behind and between nuts
- High-strength alloy body and links
- Direct oil flow for a faster stroke
- Guaranteed $\pm 3\%$ accuracy, 100% repeatability
- Dual 360° swivel quick-couplers, 4:1 safety ratio

TECHNICAL SPECIFICATIONS

MODEL	HEX CAPACITY (MM)	MIN TORQUE (NM)	MAX TORQUE (NM)	WEIGHT (KG)*
MT-HXW-700	13 – 41	55	667	0.38
MT-HXW-900	13 – 46	59	912	0.50
MT-HXW-1300	19 – 46	98	1,344	0.55
MT-HXW-2900	19 – 65	245	2,873	1.59
MT-HXW-6000	25 – 80	539	6,080	2.73
MT-HXW-14000	50 – 115	1,079	14,445	5.32
MT-HXW-24000	65 – 135	2,079	23,907	7.27
MT-HXW-48000	80 – 205	4,276	47,946	11.82
MT-HXW-64000	80 – 205	5,511	64,234	13.7

DIMENSIONS

millimetres (mm)

MODEL	LENGTH	HEIGHT	W1	W2	R
MT-HXW-700	108	82.6	18	18	5.8
MT-HXW-900	111	82.6	20.4	24.3	5.8
MT-HXW-1300	107	82.6	28	28	7.5
MT-HXW-2900	167	103	31.8	38	9.3
MT-HXW-6000	203.2	144	41.8	47.4	11.9
MT-HXW-14000	253	179.5	52.4	58	13.9
MT-HXW-24000	330	278	64	70	16.8
MT-HXW-48000	390	278	82.4	92	23.8
MT-HXW-64000	450	278	82.4	124	23.8

* Cylinder weight; the hex link adds weight separately. Hex capacity is the min-max across-flats range covered by the interchangeable links, changed with a single link pin. Dimensions in mm: W1/W2 = cylinder / link width, R = nose radius. Model numbers provisional. Data may change without notice.