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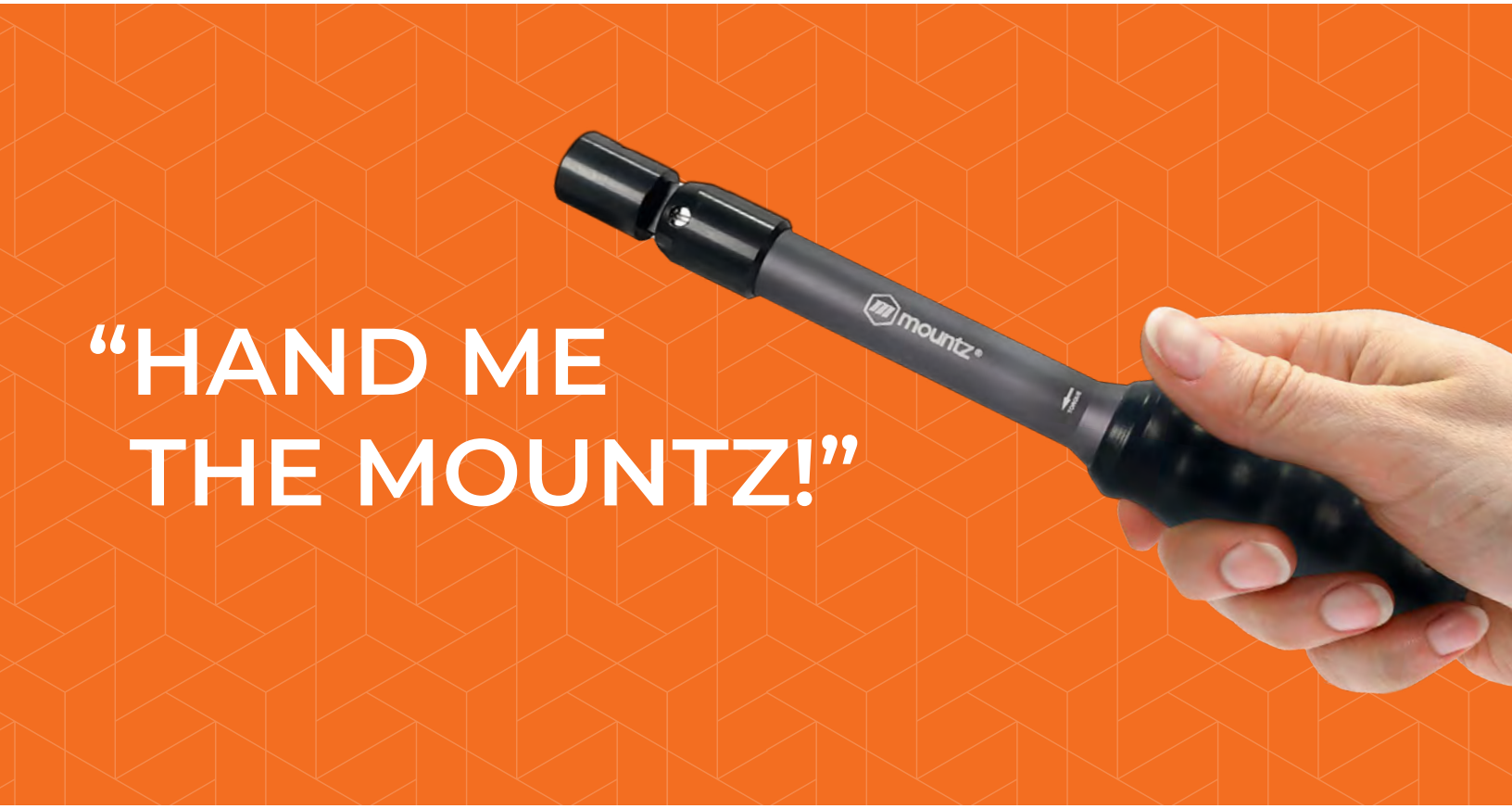
mountz®
the torque tool specialists

PRODUCT BROCHURE
TBX PRESET PRECISION BREAK-OVER WRENCH



"HAND ME THE MOUNTZ!"

Mountz TBX Preset Break-Over Wrench

SAFEGUARDING AGAINST FASTENING FAILURES

- Torque limiting wrench improves control of the tightening process
- Reduces the risk of both over and under-tightening
- Break-over mechanism provides a visual indicator of achieving torque setting
- Interchangeable end fitting design—selectable head types and sizes
- Calibration life 4x ISO standards
- Unmatched quality you can count on

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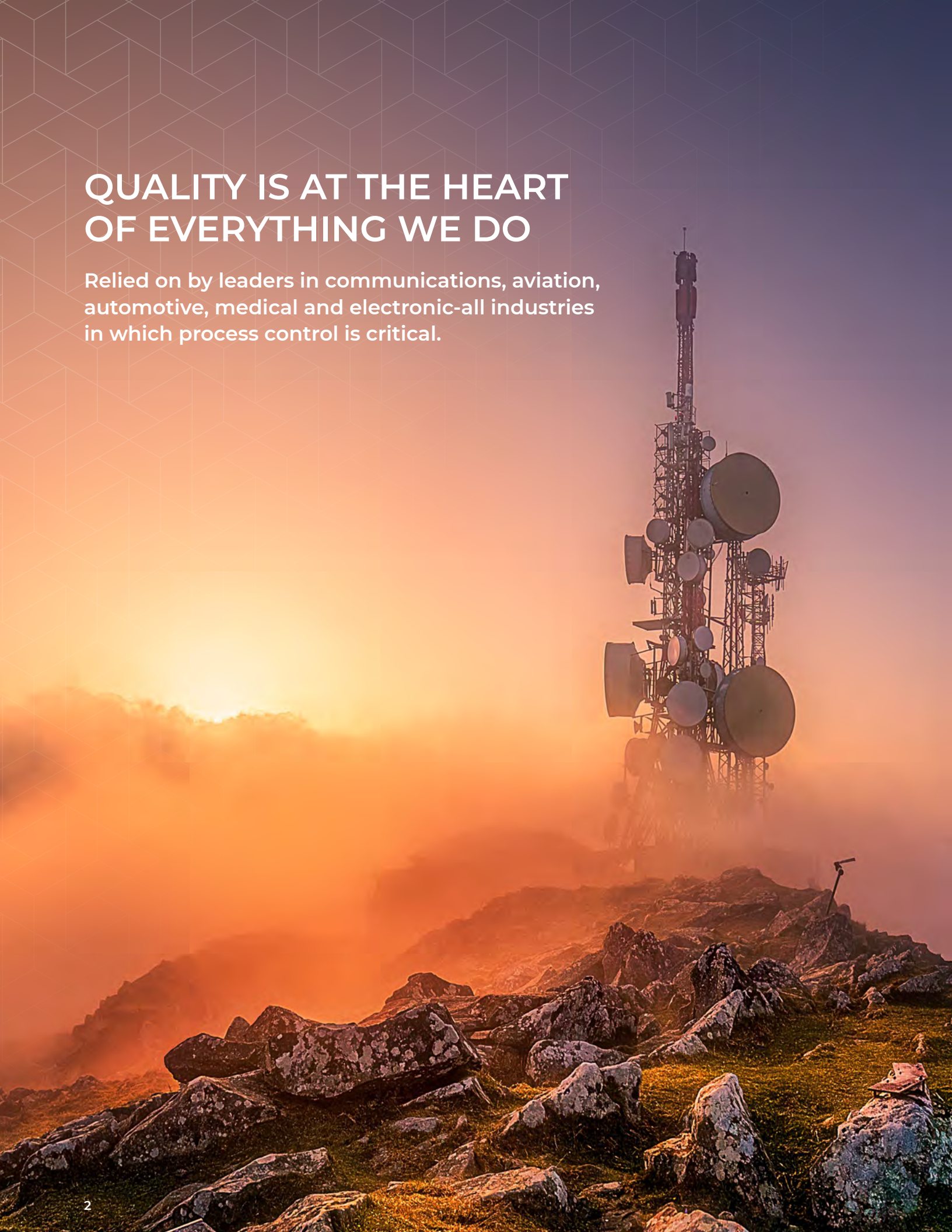
QUALITY IS AT THE HEART OF EVERYTHING WE DO

Relied on by leaders in communications, aviation, automotive, medical and electronic-all industries in which process control is critical.



Reliable break-over technology in the palm of your hand

QUALITY TORQUE WRENCH DELIVERS CONFIDENCE AT EVERY TURN

Engineered and assembled in Silicon Valley, the Mountz TBX line of precision preset break-over wrenches ensures consistent process and quality control. The wrench's repeatability, traceability, and precision safeguards against fastening failures.

When under- or over-torquing puts your products at risk, Mountz break-over wrenches help support your quality control process by empowering an operator to prevent assembly errors. Designed to tighten various types of fasteners accurately, the break-over wrench informs the operator when the proper torque is reached by deflecting at the pivot point near the tool's end. The unique break-over mechanism gives an operator ample time to react once the target torque is achieved and stop applying additional force to the fastener. Our break-over technology increases the consistency of torque delivered and joint reliability.

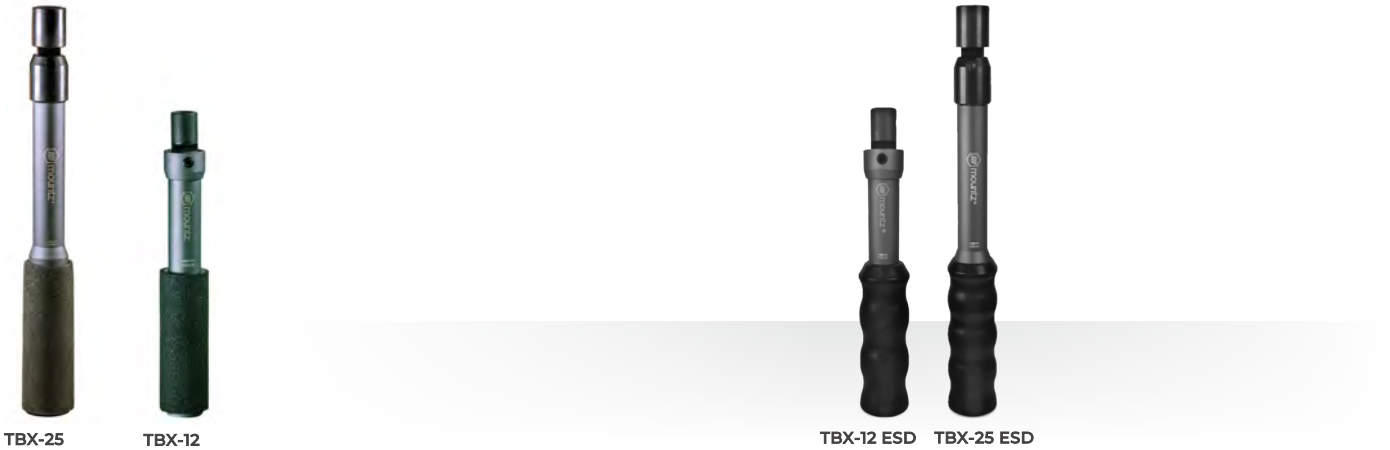
Execute fastening tasks with precision and repeatability

Mountz TBX tools stay in calibration 4X longer than the most stringent industry standard (ISO 6789). The torque limiting wrench is engineered with a break-over mechanism that enables manufacturers to achieve and maintain process reliability. You can give Mountz TBX wrenches to any operator and have the confidence that he/she will deliver the correct torque, time after time.

Preset break-over torque wrench improves productivity

Modern, effective preset torque wrenches improve productivity by consistently applying the correct torque value to each fastener. Preset break-over wrenches are ideal for fastening applications where operators repeatedly assemble parts at the same torque setting. A preset wrench is similar to setting an alarm clock to signal the achievement of a selected time. The wrench is pre-set to the application's required torque value. The tool breaks over, providing a visual indicator once torque is achieved.

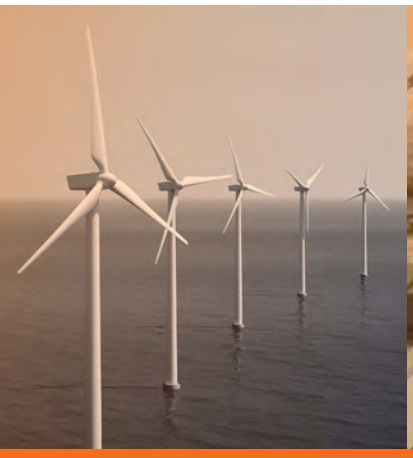
A preset wrench doesn't have an external torque adjustment scale. These tools have an internal torque adjustment mechanism for setting the torque value and preset using a hex key and a torque analyzer. The locking mechanism prevents accidental torque setting changes. Once the tool is set, the wrench's end cap is sealed with a calibration sticker and ready to be used. However, if the preset torque value needs to be changed for a new fastening application, the flexible tool can easily be adjusted to a new preset torque value.

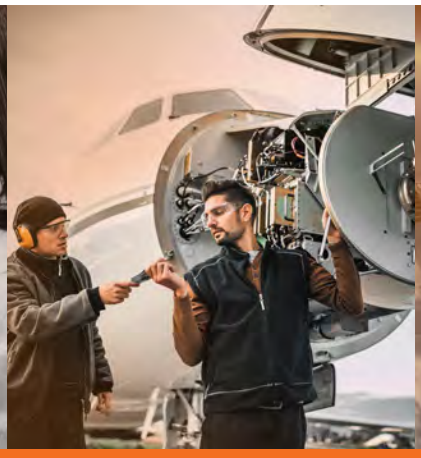


TBX-25 TBX-12 TBX-12 ESD TBX-25 ESD

PRODUCT OVERVIEW

FEATURE	WHAT IS IT?	ADVANTAGE	END USER BENEFIT
Cycles Before Calibration	• ISO 6789-1:2017 calls for maximum of 5,000 torque applications	• Exceeds standards • Mountz 4x ISO standards: 20,000 cycles before re-calibration	• Longer time on the production line • Reduces calibration budget and down time
Break-Over Technology	• Limits the amount of torque applied • Break-over mechanism deflects at a pivot point near the tool's end fitting	• Prevent fastening errors • Tool's built-in hinge provides a visual indicator of achieving the torque setting	• Precision and repeatability • Mitigate under- or over-torquing events • Boost project ROI
Locking Mechanism	• Internal mechanism prevents accidental torque setting changes	• Avoids torque setting drift • Prevents incidental adjustments • Accurate and repeatable torque setting	• Ensures fastening precision and accuracy • Reliable process control • Longer period before re-calibration
Preset Tool	• Internal torque adjustment mechanism • Non-graduated setting torque tool	• Tool is set to a designated torque value • Correct torque value is consistently applied	• Enhance process reliability • Improve production quality • Increase productivity • Reduce scrap rates
Metal End Cap	• Anodized aluminum end cap for all models	• Durable and doesn't strip out like plastic	• Improve operator's efficiency • Reduce discomfort, fatigue, and risk of injury
Ergonomics	• Ergonomic handle	• Cushion, non-slip grip	• Improve operator's efficiency • Reduce discomfort, fatigue, and risk of injury
Interchangeable Heads	• The end fitting of the wrench allows different head types and sizes to be exchanged and attached	• Compatible for various applications from open end spanner, box end, flare end, hex key, or a ratchet head with a single wrench.	• Configure the head type and size per fastening application • Flexibility to replace and change • Custom design heads available upon request • Enables the tool to fit in restricted space applications



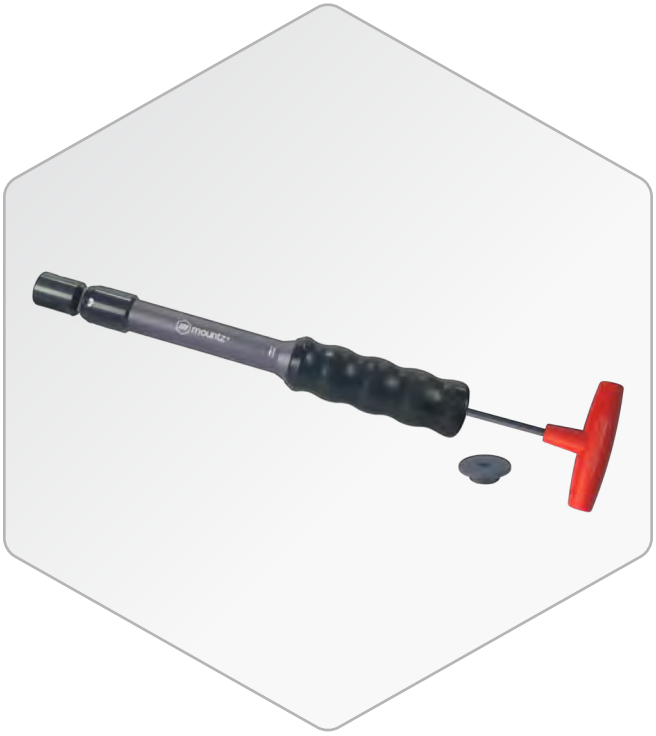


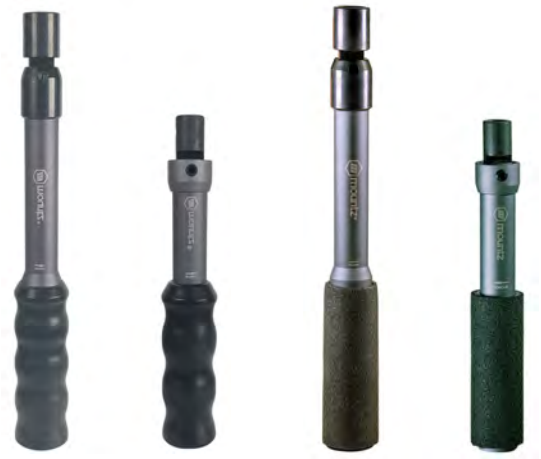

MOUNTZ TBX PRESET BREAK-OVER WRENCHES

MODEL	ITEM NO.	TORQUE RANGES		DRIVE SIZE	LENGTH	WEIGHT	BREAK
		AMERICAN	S.I.				
TBX-12	076815	21.2–106.2 lbf.in	2.4–12 N.m	Type A	6"	0.8 lbs	20° or 90°
TBX-12 ESD	076818	21.2–106.2 lbf.in	2.4–12 N.m	Type A	6"	0.8 lbs	20° or 90°
TBX-25	076816	44.3–221.3 lbf.in	5–25 N.m	Type B	10.4"	1.6 lbs	20°
TBX-25 ESD	076819	44.3–221.3 lbf.in	5–25 N.m	Type B	10.4"	1.6 lbs	20°

Designed and manufactured to meet or exceed the accuracy and repeatability requirements of ISO 6789: 2017 (+/- 4% of setting).

Tamper-proof internal adjustment. No external adjustment scale—must be preset using a torque analyzer.





TBX-25 ESD TBX-12 ESD TBX-25 TBX-12

Interchangeable heads for TBX-12 model type A end fitting

OPEN END HEADS			
AMERICAN		METRIC	
SIZE	ITEM NO.	SIZE	ITEM NO.
3/16"	068605	6 mm	068615
1/4"	068606	7 mm	068616
5/16"	068607	8 mm	068617
3/8"	068608	9 mm	068618
7/16"	068609	10 mm	068619
1/2"	068610	11 mm	068620
9/16"	068611	12 mm	068621
5/8"	068612	13 mm	068622
11/16"	068613	14 mm	068623
3/4"	068614	15 mm	068624

BOX END HEADS			
AMERICAN		METRIC	
SIZE	ITEM NO.	SIZE	ITEM NO.
7/32"	068625	7 mm	068631
1/4"	068626	8 mm	068632
5/16"	068627	9 mm	068633
3/8"	068628	10 mm	068634
7/16"	068629	11 mm	068635
1/2"	068630	12 mm	068636
–	–	13 mm	068637

HEX KEY HEADS			
AMERICAN		METRIC	
SIZE	ITEM NO.	SIZE	ITEM NO.
1/16"	068639	1.5 mm	068648
5/64"	068640	2 mm	068649
3/32"	068641	2.5 mm	068651
7/64"	068642	3 mm	068652
1/8"	068643	4 mm	068653
9/64"	068644	5 mm	068654
5/32"	068645	–	–
3/16"	068646	–	–
1/4"	068647	–	–

FIXED SQUARE DRIVE HEADS	
AMERICAN	
SIZE	ITEM NO.
1/4" Sq. Dr.	068655
3/8" Sq. Dr.	068656

RATCHET HEAD	
AMERICAN	
SIZE	ITEM NO.
1/4" Sq. Dr.	068599

BOX RATCHET HEAD	
AMERICAN	
SIZE	ITEM NO.
1/4" Box End	068598

BLANK END HEAD	
SIZE	ITEM NO.
Blank End	068603

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Interchangeable heads for TBX-25 model type B end fitting

OPEN END HEADS			
AMERICAN		METRIC	
SIZE	ITEM NO.	SIZE	ITEM NO.
1/4"	068657	7 mm	068673
5/16"	068658	8 mm	068674
3/8"	068659	9 mm	068675
7/16"	068660	10 mm	068676
1/2"	068661	11 mm	068677
9/16"	068662	12 mm	068678
5/8"	068663	13 mm	068679
11/16"	068664	14 mm	068680
3/4"	068665	17 mm	068681
13/16"	068666	19 mm	068682
7/8"	068667	22 mm	068683
15/16"	068668	–	–
1"	068669	–	–
1 1/16"	068670	–	–
1 1/8"	068671	–	–
1 1/4"	068672	–	–

BOX END HEADS			
AMERICAN		METRIC	
SIZE	ITEM NO.	SIZE	ITEM NO.
1/4"	068684	9 mm	068694
5/16"	068685	13 mm	068695
3/8"	068686	17 mm	068696
7/16"	068687	18 mm	068697
1/2"	068688	–	–
9/16"	068689	–	–
5/8"	068690	–	–
3/4"	068691	–	–
7/8"	068692	–	–
15/16"	068693	–	–

RATCHET HEAD	
AMERICAN	
SIZE	ITEM NO.
3/8" Sq. Dr.	068698
1/2" Sq. Dr.	068699

BLANK END HEAD	
SIZE	ITEM NO.
Blank End	068604

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