Weld Stud Test Tools

Torque range from 0.4 to 20 N.m

Weld Stud Test Tools are used during the production of sheet metal products. They are designed for a quick and easy controlled test of the strength and integrity of welds holding threaded welding studs onto sheet metal. They are most often used for Quality Control in the automotive and appliance industries.

Breaking Mechanism
Incorrect tightening is unlikely

INDUSTRY SECTORS

- Quality Control
- Automotive
- Aerospace
- Electronics
- Consumer Products

Weld Stud Test Tools

WSTT 2, 10 & 20

Audit. These versatile Quality Audit tools enable Quick Go/No Go tests for weld stud integrity to be carried out quickly and efficiently on a wide range of weld studs from M2.5 to M12

Accuracy. The risk of damage to the fastener is greatly reduced, due to the unique breaking technology

Easy and effective to use. Intuitive & bi-directional "T" shaped handle for easy operation

End Fittings. A range of Interchangeable end fittings are available. End fittings are available for use with most popular weld stud thread sizes and lengths

Long tool life. High quality, robust design and construction, further guaranteed by a two year warranty

Versatility. A range of compatible interchangeable End Fittings are available, for use with most popular weld stud thread sizes and lengths. **See pages 84-86 for details**

Additional features

All WSTT Tools are supplied with a Calibration Certificate when ordered with an attached end fitting

These Wrenches are preset type torque tools. There is no external adjustment scale and they must be set to the required torque value by using a Torque Analyser. **See page 73 & 77 for details**

Calibration Adaptor (Order Code A25880) is compatible with all WSTT models

Typical Maximum Torque Test Values (Capacitor discharge method)

Threaded Stud	Steel 4.8 Weldable	Stainless Steel 1.403/03 (A2-50)	Aluminium Alloy AlMg3 F23	Copper CuZn37 (Ms63)
M3	1.2 N.m	0.75 N.m	0.6 N.m	0.9 N.m
M4	2.7 N.m	1.4 N.m	1.3 N.m	1.9 N.m
M5	5.4 N.m	3.5 N.m	2.9 N.m	4.0 N.m
M6	9.2 N.m	5.7 N.m	4.6 N.m	6.75 N.m
M8	12.0 N.m	14.0 N.m	11.25 N.m	16.5 N.m
M10	18.0 N.m	20.0 N.m	–	–

NOTE: These torque values are for guidance only. The torque for each application should be calculated and proven by practical test.

Order Code	Calibrated Range: Model	ISO	Imperial	mm	g
055005	WSTT 2	0.4-2 N.m	3.5-18 lbf.in	120	215
055000	WSTT 10	1-10 N.m	9-90 lbf.in	120	215
055010	WSTT 20	4-20 N.m	35-180 lbf.in	220	320

Metric or Imperial range of End Fittings available

Metric: Order Code WSTT 10	Weld Stud Thread x Maximum Length	Order Code WSTT 20	Weld Stud Thread x Maximum Length
055020	M2.5 x 25	**055050**	M5 x 50
055025	M3 x 50	**055055**	M6 x 50
055030	M4 x 50	**055060**	M8 x 50
055035	M5 x 50	**055065**	M10 x 75
055040	M6 x 50	**055070**	M12 x 75
055045	M8 x 50	-	-

Metric: Order Code WSTT 10	Weld Stud Thread x Maximum Length	Order Code WSTT 20	Weld Stud Thread x Maximum Length
055075	4-40 x 1.5"	**055105**	10-32 x 2.5"
055080	6-32 x 2"	**055110**	10-24 x 2.5"
055085	8-32 x 2"	**055115**	¼-20 x 4"
055090	10-32 x 2.5"	**055120**	$^{5}/_{16}$-18 x 4"
055095	10-24 x 2.5"	**055125**	$^{3}/_{8}$-16 x 4"
055100	¼-20 x 4"	-	-