

...take a look at this!



IRTT Torque Transducers

The ACTA 3000 automatically reads the memory in Atlas Copco IRTT torque transducers, so you do not need to do any manual calibration. The IRTT has a very high torque readout accuracy and are available in Torque or Torque/Angle versions.

Test joints

Increased demands for productivity and quality do not only make life tough for assembly tools but also place heavier demands on calibration and verification equipment. In order to set tools correctly, and to make perfect calibrations, high quality test joints are needed. The Atlas Copco test joints come as either hard or soft in a torque range from 15 to 800 Nm. The screw and nuts are all of a special quality that gives a very robust and consistent behaviour. Since they are based on screws they will give you true joint simulation without erratic inertial effects.



Our goal is your productivity!

QRTT

Transducers used for QST, QMX and ETX nutrunner as well as for fixtured Tensor tool calibration. This transducer enables fast, easy set-up with highest system accuracy. By using the QRTT, no special test adaptation device between the spindle and the product itself is needed.



Model	Drive square in	For QMX spindle	Rated capacity		Ordering No.
			Nm	ft lb	
QRTT 20 Nm kit	3/8	42	2 - 20	1.5 - 15	8092 1164 13
QRTT 75 Nm kit	3/8	42	7.5 - 75	5.5 - 55	8092 1164 18
QRTT 200 Nm kit	1/2	50	20 - 200	15 - 150	8092 1164 23
QRTT 500 Nm kit	3/4	62	50 - 500	37 - 369	8092 1164 28
QRTT 1000 Nm kit	1	80, 90	100 - 1000	75 - 750	8092 1164 33

IRTT-B

IRTT-B is the new generation of Atlas Copco torque and torque/angle in-line rotary transducers incorporating significant improvements in durability and accuracy. They can also work with pulse tools thanks to their revolutionary and unique solution for the slip ring and brush block. Also new is the angle reading system that uses a patent solution which gives better resolution and longer life. The mechanics have also been completely reviewed to achieve a higher level of durability.

IRTT-B is equipped by a memory chip that is read by the Atlas Copco data analyser. In this way the Data analyser is automatically calibrated to the transducer sensitivity and avoid any possible set up errors.



Model	Drive		Rated capacity		Ordering No.	Model	Drive		Rated capacity		Ordering No.
	Hex in	Square in	Nm	ft lb			Hex in	Square in	Nm	ft lb	
Torque models						Torque/angle models					
IRTT-B 5-106	1/4		5	4	8059 0942 05	IRTT-B 1A-106	1/4		1	0.8	8059 0943 96
IRTT-B 5-06		1/4	5	4	8059 0942 07	IRTT-B-2A-106	1/4		2	1.5	8059 0943 01
IRTT-B 20-106	1/4		20	15	8059 0942 10	IRTT-B 5A-106	1/4		5	4	8059 0943 06
IRTT-B 20-06		1/4	20	15	8059 0942 15	IRTT-B 5A-06		1/4	5	4	8059 0943 08
IRTT-B 25 -10		3/8	25	18	8059 0942 20	IRTT-B 20A-106	1/4		20	15	8059 0943 11
IRTT-B 75-10		3/8	75	55	8059 0942 25	IRTT-B 20A-06		1/4	20	15	8059 0943 16
IRTT-B 180-13		1/2	180	133	8059 0942 30	IRTT-B 25A-10		3/8	25	18	8059 0943 21
IRTT-B 500-20		3/4	500	369	8059 0942 35	IRTT-B 75A-10		3/8	75	55	8059 0943 26
IRTT-B 750-25		1	750	553	8059 0942 40	IRTT-B 180A-13		1/2	180	133	8059 0943 31
IRTT-B 1400-25		1	1400	1033	8059 0942 45	IRTT-B 500A-20		3/4	500	369	8059 0943 36
IRTT-B 3000-38		1 1/2	3000	2200	8059 0942 52	IRTT-B 750A-25		1	750	553	8059 0943 41
IRTT-B 5000-38		1 1/2	5000	3685	8059 0942 56	IRTT-B 1400A-25		1	1400	1033	8059 0943 46
						IRTT-B 3000A-38		1 1/2	3000	2200	8059 0943 52
						IRTT-B 5000A-38		1 1/2	5000	3685	8059 0943 56

NOTE: All IRTT are equipped with 19-pin connector.

SRTT-B

Stationary reaction torque transducer

Stationary reaction torque transducers are designed for testing wrenches, click wrenches or for tightening tools where rotary action is not desired during measurement. When testing a shut-off tool, a joint simulator is required as an accessory.

The SRTT-B is the new generation of Atlas Copco stationary reaction torque transducers with improved durability thanks to their new mechanical design. The new patented system of fixing the joint simulator on top avoids any possible errors due to the play between the two devices.

A complete range of accessories and a mechanical joint simulator enables you to test shut-off tools or wrenches with square drive output.

SRTT-B



Model	Drive		Rated capacity		Ordering No.
	Hex mm	Square in	Nm	ft lb	
SRTT-B 0.5-13		1/2	0.5	0.37	8059 0946 03
SRTT-B 2-13		1/2	2	1.47	8059 0946 09
SRTT-B 5-13		1/2	5	3.69	8059 0946 15
SRTT-B 25-36	36		25	18.40	8059 0946 28
SRTT-B 50-36	36		50	36.88	8059 0946 36
SRTT-B 100-36	36		100	73.76	8059 0946 45
SRTT-B 250-36	36		250	184.40	8059 0946 54
SRTT-B 500-50	50		500	368.78	8059 0946 63
SRTT-B 1000-50	50		1000	737.60	8059 0946 75
SRTT-B 2000-50	50		2000	1475.00	8059 0946 84

Test joint for SRTT-B



Test joint for SRTT-B

Model	Drive		Rated capacity		Ordering No.
	Hex mm	Square in	Nm	ft lb	
TJ SRTT-B S -0.5		1/2	0.5	0.37	8059 0940 01
TJ SRTT-B H -0.5		1/2	0.5	0.37	8059 0940 02
TJ SRTT-B S -2		1/2	2	1.47	8059 0940 03
TJ SRTT-B H -2		1/2	2	1.47	8059 0940 04
TJ SRTT-B S -5		1/2	5	3.69	8059 0940 05
TJ SRTT-B H -5		1/2	5	3.69	8059 0940 06
TJ SRTT-B S -25	36		25	18.40	8059 0940 07
TJ SRTT-B H -25	36		25	18.40	8059 0940 08
TJ SRTT-B S -50	36		50	36.88	8059 0940 09
TJ SRTT-B H -50	36		50	36.88	8059 0940 10
TJ SRTT-B S -100	36		100	73.76	8059 0940 11
TJ SRTT-B H -100	36		100	73.76	8059 0940 12
TJ SRTT-B S -250	36		250	184.40	8059 0940 13
TJ SRTT-B H -250	36		250	184.40	8059 0940 14
TJ SRTT-B S -500	50		500	368.78	8059 0940 15
TJ SRTT-B H -500	50		500	368.78	8059 0940 16
TJ SRTT-B 1000-50	50		1000	737.60	8059 0940 17

Optional Accessories

Adapters



Adapter

Adapter	Drive		Ordering No.
	Hex mm	Square in	
1/2" to 1/4"		1/2	8059 0978 63
1/2" to 3/8"		1/2	8059 0978 64
3/8" to 36	36		8059 0978 65
1/2" to 36	36		8059 0978 66
1/2" to 50	50		8059 0978 67
3/4" to 50	50		8059 0978 68
1" to 50	50		8059 0978 69

MRTT-B

Manual wrench torque transducers

Designed to be connected to the ACTA 4000 or BLM 5000. Length-independent reading makes possible to get an accurate torque reading independent of the point of handling. Extended range covering 3 to 2000 Nm. The MRTT-B uses the same female drive as the STwrench. This makes it possible to use the same end fitting attachment. The end fitting has to be ordered separately.



Model	Capacity		Drive	Weight		Length mm	Ordering No.
	Nm	ft lb		kg	lb		
MRTT-B 30	30	22	9x12	0.45	0.99	218.5	8059 0937 30
MRTT-B 50	50	37	9x12	0.46	1.01	218.5	8059 0937 36
MRTT-B 70	70	51	9x12	0.56	1.23	282	8059 0937 39
MRTT-B 100	100	74	9x12	0.66	1.45	362	8059 0937 45
MRTT-B 150	150	110	14x18	1.40	3.08	473.5	8059 0937 48
MRTT-B 250	250	180	14x18	1.46	3.21	473.5	8059 0937 54
MRTT-B 400	400	300	14x18	2.00	4.40	733.5	8059 0937 60
MRTT-B 600	600	440	14x18	4.93	10.86	944.5	8059 0937 66
MRTT-B 1000	1000	730	Ø28	8.55	18.84	1087	8059 0937 75
MRTT-B 2000	2000	1460	Ø28	13.08	28.83	2092	8059 0937 84

MRTT-B Screwdriver

MRTT-B is also available in a screwdriver version for low torque applications from 0.1 to 15 Nm. The 15 Nm model has a precision reversible 1/4" drive ratchet consisting of two needle clutches. Sliding bush to convert left and right tightening. The very low friction avoids dragging the screws on the return motion.



Model	Capacity		Square drive in	Weight		Length mm	Ordering No.
	Nm	ft lb		kg	lb		
MRTT-B 1-06	0.1-1	0.07-0.74	1/4	0.3	0.66	169	8059 0931 06
MRTT-B 5-06	0.5-5	0.36-3.67	1/4	0.3	0.66	169	8059 0931 15
MRTT-B 15-06	1.5-15	1.1-11.1	1/4	0.4	0.88	223	8059 0931 24

Optional Accessories

Transducer cable

The cable needed for all transducers and MRTT-B.

Cables

Length	Ordering No.
1 m	4145 0982 01
3 m	4145 0982 03
5 m	4145 0982 05
3 m curled cable	4145 0971 03

If non Atlas Copco transducers are used one of the following cables are required.

Model	Ordering No.
Industrial style Transducer cable 3 m 19 - 4	4145 0965 03
Industrial style Transducer cable 3 m 19 - 6	4145 0968 03
Industrial style Transducer cable 3 m 19 - 10	4145 0967 03