Controlled System Impulse Wrench – AT series w Angle Control

Img.: AT-111

LED status indication (green = OK, red = NOK), visible all around – from above, below, left, right, front, back.

The CONTROL Pro+ can also be used with Yokota system wrenches TKa and YEX.

Clear

The electronics check each parameter for plausibility before, during and after bolting and simultaneously monitor the system stability. In case of irregularities, the control unit displays this in plain text and goes into „malfunction“ mode if necessary.

The torque value determined directly via strain gauges as well as the number of pulses and the angle of rotation are shown on the large multifunction display. It is also possible to display a tightening curve. The result of the OK/NOK judgement is also visualised on the screen. The LED fields „Torque“ and „Angle“ of the limit value monitoring show the status of the determined torque and angle of rotation clearly visible.

Variable

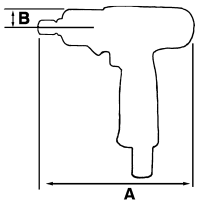
Varying air pressures can be specified via our digital proportional valve. A tightening process in several stages is thus realised.

- Short screw-in times.
- Single-handed operation, without counterholder.
- Best pretensioning force within the connection.
- High repeatability.
- Quick change of position of the pistol.

Options

- Signal light stack for OK/NOK.
- Programme selector switch.
- XML-capable variant according to VW Group standard available.
- I/O extension box.
- ControlPro+ software for programming/parameterisation, administration, backup, process analysis, statistics and data export.
- ControlPro+ Database for traceable documentation of production data.
- Ethernet interface (TCP/IP).

Digital proportional valve



Series AT (Angle/Torque)

Type / Size			Model	Item No.	Bolt Capacity	RPM	Torque Range*	Air Cons.	Dimensions A	B	Weight	Pipe Thread	Hose ID	Vibration	Noise Level
	SqD	Hex			Ø	min^{-1}	N·m	l/s	mm		kg	Zoll	mm	m/s^2	dB(A)
Pistol	–	1/4	AT-60 A	D100100	M6	6 000	11 - 16	4.5	209	22	1.4	1/4	6.35	2.1	71
	–	1/4	AT-70 A	D100200	M6-M8	7 000	20 - 27	5.3	211	22	1.4	1/4	6.35	2.1	75
	–	1/4	AT-80 A	D100300	M8	7 000	24 - 33	5.3	231	22	1.5	1/4	6.35	2.1	73
	3/8	–	AT-60	D100150	M6	6 000	14 - 20	4.5	209	22	1.4	1/4	6.35	2.1	71
	3/8	–	AT-70	D100250	M6-M8	7 000	20 - 35	5.3	211	22	1.4	1/4	6.35	2.1	75
	3/8	–	AT-80	D100350	M8	7 000	32 - 46	5.3	231	22	1.5	1/4	6.35	2.1	73
	3/8	–	AT-90	D100400	M8 -M10	6 500	47 - 70	6.8	234	24	1.7	1/4	9.5	2.1	78
	1/2	–	AT-111	D100450	M10-M12	6 000	65 - 105	8.8	242	26	2.1	1/4	9.5	2.2	80
	1/2	–	AT-120	D100500	M12	5 900	85 - 130	10	266	28	2.6	1/4	9.5	2.2	82
	1/2	–	AT-140	D100550	M14	5 200	100 - 160	13	278	30	3.1	1/4	9.5	2.2	84
	1/2	–	AT-150	D100600	M14-M16	4 200	150 - 220	13.2	285	32	3.7	1/4	9.5	2.4	84

Further information available 24 / 7 on our website.

* Torque specification is for guidance only, based on manufacturer's tightening tests at 0.6 MPa. Due to different influencing factors, values may deviate in practice.