

## Poka Yoke Impulse Wrench – Y-JQ / YLa-JQ series



Img.: YLa 90E-JQ

- ▶ Higher tightening speed due to double-chamber air motor.
- ▶ Power output through patented Yokota Twin-Blade impulse mechanism.
- ▶ Improved repeatability due to higher number of pulses.
- ▶ Free of reaction torque.
- ▶ One-hand operation.
- ▶ Prepared for air pressure monitoring.



Img.: Y-90E-JQ

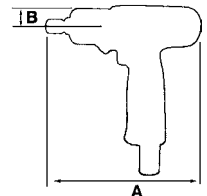
These Yokota impulse wrenches are driven by a **double-chamber air motor**. This means that the set torque is reached very quickly. The wrenches generate a high number of pulses per second and therefore provide high accuracy with a shorter production cycle time. The JQ types are specially equipped with a pressure monitoring tube for connection to the YTC-3 controller.

The power is delivered by the proven twin-blade **hydraulic impulse unit**. This patented Yokota mechanism reduces noise and vibration levels and generates a high pulse frequency.



The use of **reaction torque-free** Yokota impulse wrenches on the assembly line thus significantly reduces the risk of tissue disorders such as RSI or similar.

For impulse tools we recommend power sockets and extensions with sleeve drive – for less play, less wear and a permanently constant power output (see p. 40 ff).



### Series Y-JQ

Type	Model		Item No.	Bolt Capacity Ø	RPM min <sup>-1</sup>	Torque Range* N-m	Air Cons. l/s	Dimensions		Weight kg	Pipe Thread Zoll	Hose ID mm	Vibration m/s <sup>2</sup>	Noise Level dB(A)	
	SqD	Hex						A	B						
Pistol	-	1/4	Y-41 A-JQ	430310	M4-M6	9300	6 - 12	5.0	141	17	0.73	1/4	6.5	2.1	72
	-	1/4	Y-46 A-JQ	430321	M5-M6	8000	16 - 26	5.8	158	18	0.87	1/4	6.5	1.0	80
	3/8	-	Y-46 E-JQ	430320	M5-M6	8000	16 - 30	5.8	158	18	0.87	1/4	9.5	1.0	80
	1/2	-	Y-90 E-JQ	430360	M10-M12	5000	78 - 116	8.3	177	30	1.85	1/4	9.5	1.5	72
	3/4	-	Y-140-JQ	430390	M16	3300	160 - 270	13.1	226	36	3.20	1/4	12.7	3.3	82

### Series YLa-JQ

Type	Model		Item No.	Bolt Capacity Ø	RPM min <sup>-1</sup>	Torque Range* N-m	Air Cons. l/s	Dimensions		Weight kg	Pipe Thread Zoll	Hose ID mm	Vibration m/s <sup>2</sup>	Noise Level dB(A)	
	SqD	Hex						A	B						
Pistol	-	1/4	YLa60A-JQ	430405	M6	4000	11 - 20	5.0	130	22	0.78	1/4	6.35	1.4	71
	-	1/4	YLa70A-JQ	430420	M6-M8	7000	20 - 28	5.5	132	22	0.80	1/4	6.35	1.4	74
	-	1/4	YLa80A-JQ	430440	M8	7000	24 - 35	5.8	139	22	0.90	1/4	6.35	1.2	75
	3/8	-	YLa60E-JQ	430400	M6	4000	13 - 22	5.0	130	22	0.78	1/4	6.35	1.4	71
	3/8	-	YLa70E-JQ	430410	M6-M8	7000	20 - 35	5.5	132	22	0.80	1/4	6.35	1.4	74
	3/8	-	YLa80E-JQ	430430	M8	7000	33 - 50	5.8	139	22	0.90	1/4	6.35	1.2	75
	3/8	-	YLa90E-JQ	430450	M8-M10	6500	47 - 70	6.7	148	24	1.00	1/4	9.5	1.2	78
	1/2	-	YLa110E-JQ	430460	M10-M12	6000	65 - 105	9.6	164	26	1.40	1/4	9.5	1.8	81
	1/2	-	YLa120E-JQ	430470	M12	6600	80 - 130	10	172	28	1.80	1/4	9.5	2.2	82
	1/2	-	YLa140E-JQ	430480	M14	6000	100 - 160	13	190	30	2.20	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, practical values may deviate.