

## Controlled System Impulse Wrench – YEX series



Img.: YEX-150S

Yokota developed „intelligent“ tightening tools more than 30 years ago – today widely known as system wrenches. The impulse wrenches equipped with electronic torque control are used for the **documented assembly** of bolted connections. The system offers shut-off of the impulse wrench at the desired torque with further indications such as too low or too high torque, fault detection or reporting, counting of bolted joints, group control, line production management, data storage, etc.

Yokota has equipped the impulse wrenches with an **integrated transducer** (system wrench). In conjunction with the YETC control unit, the torque can be controlled, checked and optionally also printed out or exported via its data interface.

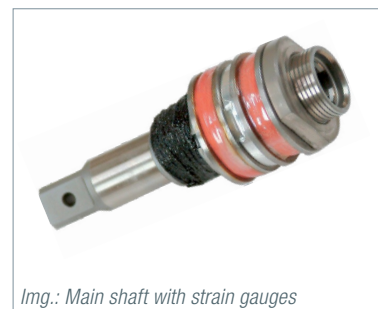
*For impulse wrenches we recommend power sockets and extensions with sleeve drive – less tolerance, less wear for a permanently constant power output. In order to achieve maximum productivity, accuracy and durability, it has proven itself to use impulse wrenches up to approx. 80% of their capacity.*



Img.: YEX-1400

A fastening process takes only 1-2 seconds and is carried out effortlessly with one hand.

The system can be integrated into the assembly process for process-safe tightening.



Img.: Main shaft with strain gauges

The **strain gauges** are mounted on the drive shaft and measure the torsion on the drive shaft at every impulse and as close as possible to the bolted joint. The electronic signals are transmitted by induction from the drive to the outer housing. Due to this principle, the YOKOTA transducer is very reliable, accurate and without wear – in other words „the perfect tool for bolted joints in production“.



### Series YEX

Type / Size	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						
Straight	–	1/4	YEX-100 SA	420585	M5	8000	4 - 6	3.7	296	23	1.20	1/4	9.5	3	77
	–	1/4	YEX-120 SA	420596	M4-M5	7000	5 - 8	4.2	276	23	1.38	1/4	9.5	3	77
	–	1/4	YEX-150 SA	420603	M5-M6	8000	8 - 13	5.0	276	23	1.37	1/4	9.5	3.3	77
	–	1/4	YEX-300 SA	420615	M6	8000	9 - 18	5.2	313	27	1.77	1/4	9.5	5.3	78
	–	1/4	YEX-500 SA	420630	M6-M8	7800	17 - 31	5.5	334	27	2.30	1/4	9.5	6.6	76
	3/8	–	YEX-150 S	420602	M5-M6	9000	10 - 16	5.0	275	23	1.36	1/4	9.5	3.3	77
	3/8	–	YEX-300 S	420605	M6	8000	13 - 20	5.2	312	27	1.76	1/4	9.5	5.3	78
	3/8	–	YEX-500 S	420620	M6-M8	7800	19 - 34	5.5	333	27	2.29	1/4	9.5	6.6	80
	3/8	–	YEX-700 S	420640	M8	7500	29 - 51	6.2	333	27	2.36	1/4	9.5	6.6	80
	Pistol	–	1/4	YEX-120 A	420595	M5-M6	7000	5 - 8	4.2	223	23	1.58	1/4	9.5	3
–		1/4	YEX-150 A	420601	M5-M6	9000	8 - 13	5.0	223	23	1.58	1/4	9.5	3	74
–		1/4	YEX-501 A	420666	M6-M8	8200	22 - 40	5.8	227	26.5	2.15	1/4	9.5	1.6	76
3/8		–	YEX-120	420590	M5-M6	7000	6 - 9	4.2	222	23	1.57	1/4	9.5	3	74
3/8		–	YEX-150	420600	M5-M6	9000	10 - 16	5.0	222	23	1.57	1/4	9.5	3	74
3/8		–	YEX-501	420661	M6-M8	8200	24 - 44	5.8	234	26.5	2.14	1/4	9.5	1.6	76
3/8		–	YEX-701	420671	M8-M10	8000	34 - 62	6.3	246	26.5	2.38	1/4	9.5	1.6	78
1/2		–	YEX-901	420681	M10	6100	44 - 78	8.3	257	33.5	2.94	1/4	9.5	2.3	77
1/2		–	YEX-1400	420685	M10-M12	5900	78 - 118	10.5	266	34	3.99	1/4	9.5	3	78
1/2		–	YEX-1900	420690	M12	5800	88 - 137	10.5	285	39	4.61	1/4	9.5	3	80
3/4	–	YEX-3000	420695	M16	4000	176 - 235	12.2	309	40	6.42	1/4	12.7	4	80	

\* 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.



Further information available 24 / 7 on our website.