

# Controlled System Impulse Wrench – TKa / YED series

Img.: TKa-70



Double chamber air motor

## Basic system configuration

- ▶ Tool controller YETC-
- ▶ EC impulse wrench series YEX, YED and TKa
- ▶ Solenoid valve SVC
- ▶ Air hose/control cable set, 7 m

## Optional equipment

- ▶ Pair of valves for 2-stage bolt connection
- ▶ Protocol printer with data cable
- ▶ Air hose/control cable set 10 m or 15 m
- ▶ Light signal tower (stack)
- ▶ Socket change box
- ▶ Spiral hose with integrated control cable, max. 15 m
- ▶ Barcode scanner

## Yokota system impulse wrench

The TKa and YED impulse wrenches are similar to the YEX series, but equipped with a double-chamber air motor. These impulse wrenches quickly reach the desired torque. Due to a high number of impulses per second, an exact torque adjustment is possible.

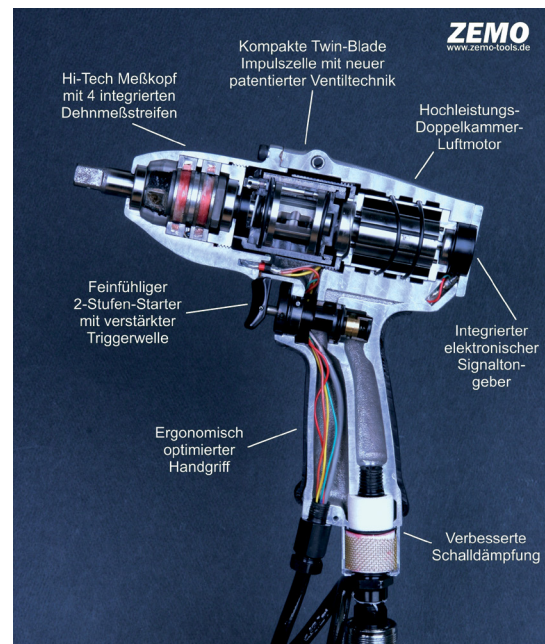
In addition, the TKa series is lighter, may be operated without oil and offers optimal ergonomic features.

## LEDs

The TKa series can optionally be supplied with green/red LEDs instead of the acoustic signal transmitter (ref. small pictures on the right) – silent and visible all around: from above, below, left, right, front, rear.



Img.: YED-240 S



Hi-Tech Meßkopf mit 4 integrierten Dehnmeßstreifen

Kompakte Twin-Blade Impulszelle mit neuer patentierter Ventiltechnik

Hochleistungs-Doppelkammer-Luftmotor

Feinfühliges 2-Stufen-Startersystem mit verstärkter Triggerwelle

Integrierter elektronischer Signaltongeber

Ergonomisch optimierter Handgriff

Verbesserte Schalldämpfung



## Torsion measurement during fastening

The **strain gauges** are mounted on the main shaft and measure the torsion on the shaft at every impulse and as close as possible to the bolted joint. This minimises tolerances and interference. 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 tightening connections in production“.

## Series TKa / YED

Type / Size	Model		Item No.	Bolt Capacity Ø	RPM min <sup>-1</sup>	Torque Range*		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				N-m	A		B						
Pistol	-	1/4	TKa 60 A	420637	M6	6 000	11 - 16	4.5	179	21	1.26	1/4	6.35	2.1	71
	-	1/4	TKa 70 A	420642	M6-M8	7 000	20 - 27	5.3	179	21	1.26	1/4	6.35	2.1	75
	-	1/4	TKa 80 A	420659	M8	7 000	24 - 33	5.3	186	21	1.33	1/4	6.35	2.1	77
	3/8	-	TKa 60	420638	M6	6 000	14 - 20	4.5	179	21	1.26	1/4	6.35	2.1	71
	3/8	-	TKa 70	420643	M6-M8	7 000	24 - 33	5.3	179	21	1.26	1/4	6.35	2.1	75
	3/8	-	TKa 80	420657	M8	7 000	32 - 46	5.3	186	21	1.33	1/4	6.35	2.1	77
	3/8	-	TKa 90	420645	M8-M10	6 500	47 - 60	6.8	195	23	1.50	1/4	9.5	2.1	78
	1/2	-	TKa 111	420647	M10-M12	5 500	65 - 105	8.8	209	25.5	1.86	1/4	9.5	2.2	80
	1/2	-	TKa 120	420648	M12	5 900	85 - 130	10	223	29	2.46	1/4	9.5	2.2	82
	1/2	-	TKa 140	420649	M14	5 200	100 - 160	13	235	29	2.88	1/4	9.5	2.2	84
P	3/4	-	YED-200	420976	M18-M20	2 300	220 - 310	18.3	307	40	6.8	1/2	12.7	4.2	86
S	1	-	YED-240 S	420678	M20-M24	2 300	360 - 470	28.3	452	53	11.2	1/2	12.7	15.0	92

\* 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.

