





## Insert torque wrenches



### Universal in scope – with the best intentions

The use of over 100 insert tools allows any challenge to be mastered!



#### SYSTEM 5200-3 CT

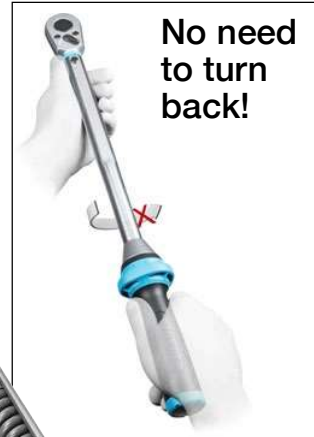
- Torque ranges: 10–200 Nm
- **Accuracy  $\pm 3\%$  of scale value**
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Handle of the 5000-3 CT series
  - Detent point for rapid adjustment of the torque value
  - Can be attached to the cable loop
- Insert square  or  to hold insert tools

#### SYSTEM 6200-1 CT

- Torque ranges: 2–500 Nm
- **Accuracy  $\pm 2\%$  of scale value**
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- All advantages of the 6000 CT series
- Insert square  or  to hold insert tools

#### SYSTEM 6300

- With permanently adjustable value – especially suitable **for application in industrial series production**
- Without setting scale and signal transmitter
- **Repeat accuracy after 5,000 tightening operations  $\pm 2\%$  (6391-10  $\pm 6\%$ )**
- Automatic close-gap release – reaching the set value is signaled palpably and audibly
- Torque function only for right-hand thread
- Adjusting the desired torque value with adjustment wrench 6399 together with torque tester – e.g. HAZET 7901 E, 7902 E or 7903 E  
Unauthorised adjustment is thereby prevented
- Torque ranges: 1–320 Nm
- Tested in accordance with DIN EN ISO 6789-2:2017
- With calibration certificate and serial number
- Insert square  or  to hold insert tools



 **Made in Germany**



## Insert tool holders



### Data for effective length of torque wrenches with (different) insert tool holders

MDE = Torque to be selected

MDV = Prescribed torque

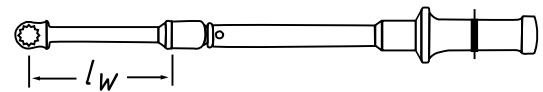
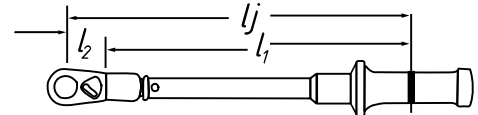
$l_j$  = Standard length adjustment with adjusting tool

$l_1$  = Effective torque wrench length

$l_2$  = Gauge dimension of adjusting tool

$l_w$  = Gauge dimension of extended insert tool holder

$$MDE = \frac{(l_1 + l_2) \times MDV}{l_1 + l_w}$$



**Formula: Torque correction factor for change in effective length**

HAZET torque wrenches are adjusted/calibrated with the " $l_2$  insert dimensions".  
If other insert tool holders are used, then the formula must be observed.

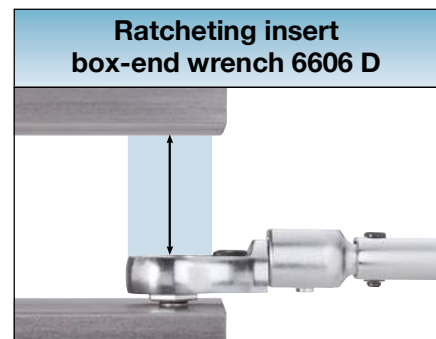
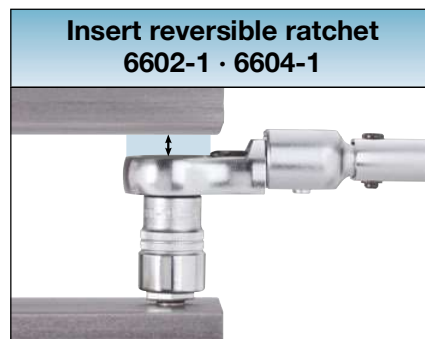
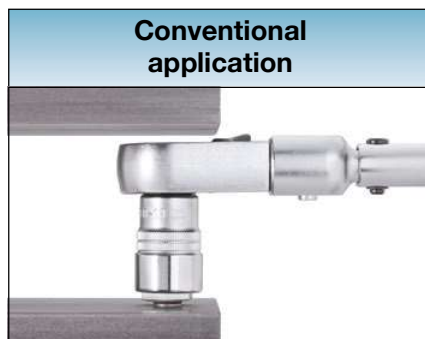
### Dimensions of the various HAZET torque wrenches:

HAZET No.	$l_1$ mm	Adjusted with HAZET No.	$l_2$ mm
6280-1 CT	140	6401-1 (S)	19,5
6281-2 CT	99	6401 N	17,5
6282-1 CT	200	6401-1 (S)	19,5
6290-1 CT	245	6402-1 (S)	30
6291-1 CT	330	6404-1 (S)	38,5

HAZET No.	$l_1$ mm	Adjusted with HAZET No.	$l_2$ mm
6291-2 CT	312	6402-1 (S)	30
6292-1 CT	432	6404-1 (S)	38,5
6293-1 CT	547	6404-1 (S)	38,5
6294-1 CT	649,2	6406	44
6295-1 CT	893,2	6406	44

HAZET No.	$l_1$ mm
6391-10 (V)	102
6391-12 (V)	102
6391-25 (V)	143
6391-35 (V)	143

HAZET No.	$l_1$ mm
6391- 50 (V)	201
6391- 85 (V)	276
6392-200 (V)	359
6392-320 (V)	589



## Torque screwdriver

### Fine feeling – for the smallest of torque values

- Application with standard  $\frac{6.3}{16}$  bits (e.g. HAZET 2204 to 2225) as well as by using the 2304 adapter with  $\frac{6.3}{16}$  sockets
- Torque ranges: 0.1–6 Nm
- Accuracy (of scale value)  $\pm 5\%$  (6002 CT and 6003 CT) or  $\pm 6$ –10% for 6001 series





## Product overview of HAZET torque wrenches

	HAZET No.	Release accuracy		Measuring range
	5107-3 CT	± 4 %	6.3 1/4"	1–9 Nm
	5108-3 CT	± 3 %	6.3 1/4"	2.5–25 Nm
	5110-3 CT	± 3 %	10 3/8"	10–60 Nm
	5120-3 CT	± 3 %	12 1/2"	10–60 Nm
	5111-3 CT	± 3 %	10 3/8"	20–120 Nm
	5121-3 CT	± 3 %	12 1/2"	20–120 Nm
	5122-3 CT	± 3 %	12 1/2"	40–200 Nm
	5123-3 CT	± 3 %	12 1/2"	60–320 Nm
	5143-3 CT	± 3 %	12 1/2"	100–400 Nm
	5145-3CT	± 3 %	20 3/4"	300–800 Nm
	5290-3 CT	± 3 %	9 x 12	10–60 Nm
	5292-3 CT	± 3 %	14 x 18	40–200 Nm
	5121-2 CLT	± 4 %	12 1/2"	20–120 Nm
	5122-2 CLT	± 4 %	12 1/2"	40–200 Nm
	5123-2 CLT	± 4 %	12 1/2"	60–320 Nm
	5108 KV	± 6 %	10 3/8"	2–10 Nm
	5109 KV	± 4 %	10 3/8"	5–25 Nm
	5121 KV	± 4 %	12 1/2"	20–120 Nm
	6106-1 CT*	± 4 %	6.3 1/4"	1–6 Nm
	6108-1 CT*	± 2 %	6.3 1/4"	2–10 Nm
	6109-2 CT*	± 2 %	6.3 1/4"	4–40 Nm
	6110-1 CT*	± 2 %	10 3/8"	5–60 Nm
	6111-1 CT	± 2 %	10 3/8"	20–120 Nm
	6121-1 CT	± 2 %	12 1/2"	20–120 Nm
	6122-1 CT	± 2 %	12 1/2"	40–200 Nm
	6123-1 CT	± 2 %	12 1/2"	60–320 Nm
	6143-1 CT	± 2 %	20 3/4"	100–400 Nm
	6144-1 CT	± 2 %	20 3/4"	200–500 Nm
	6145-1 CT	± 2 %	20 3/4"	300–800 Nm
	6150-1 CT	± 3 %	20 3/4"	400–1000 Nm
	6160-1 CT	± 3 %	25 1"	600–1600 Nm
	6170-1 CT	± 4 %	25 1"	800–2000 Nm
	6114-1 CT*	± 3 %	10 3/8"	5–40 lbf.ft
	6115-1 CT	± 3 %	10 3/8"	20–100 lbf.ft
	6127-1 CT	± 3 %	12 1/2"	40–200 lbf.ft
	6128-1 CT	± 3 %	12 1/2"	50–250 lbf.ft
	6132-1 CT*	± 3 %	20 3/4"	120–600 lbf.ft

\* = Without signal transmitter