



# Cembre



Certified Quality Management System



Certified Environmental Management System



Certified Occupational Health & Safety Management System

## **CEMBRE TORQUE WRENCHES TWC**

*professional*



### **NEW RANGE**

**TWC10.50-14**

**TWC20.100-38**

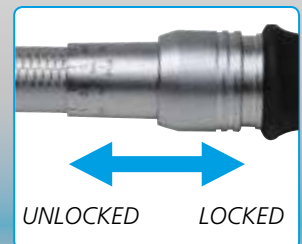
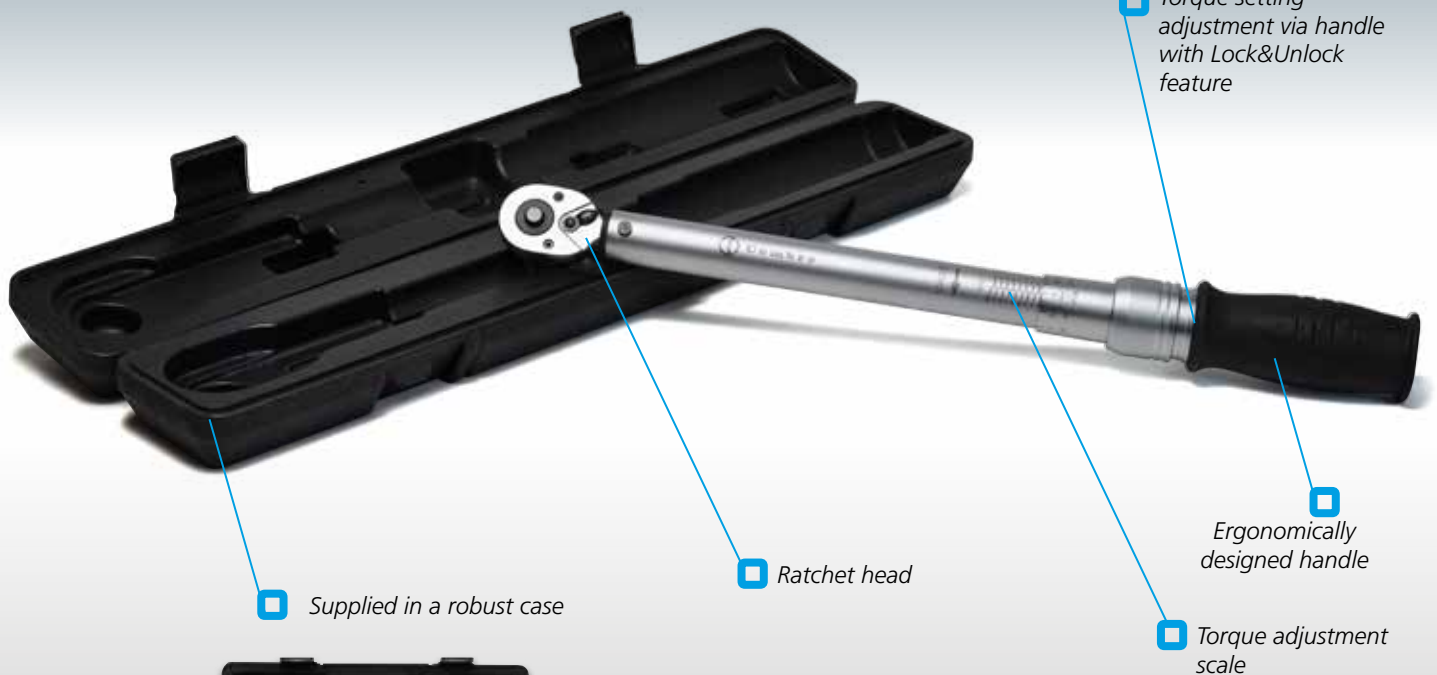
**TWC40.200-12**

## Torque Wrench TWC

Cembre professional reversible torque wrench range TWC will provide optimum torque setting when the threaded fastenings are paired with the correct size sockets.

Correct tightening of threaded fastenings prevents:

- thread damage in case of high loading
- unintentional loosening in case of low loading



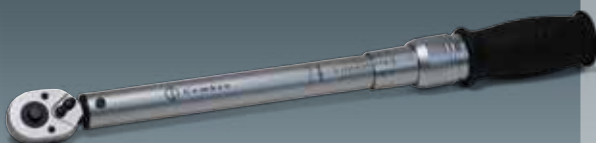
## TWC10.50-14



Model	Dimensions mm			Weight g
	Length	Width	Head Width	
<b>TWC10.50-14</b>	328	35	28	660

- Adjustment range Nm: 10-50
- Drive size in.: 1/4

## TWC20.100-38



Model	Dimensions mm			Weight g
	Length	Width	Head Width	
<b>TWC20.100-38</b>	435	45	35	1300

- Adjustment range Nm: 20-100
- Drive size in.: 3/8

## TWC40.200-12



Model	Dimensions mm			Weight g
	Length	Width	Head Width	
<b>TWC40.200-12</b>	510	45	40	1506

- Adjustment range Nm: 40-200
- Drive size in.: 1/2

## USAGE GUIDANCE

### Torque setting adjustment

1. Press the lock collar towards the handle.
2. Rotate the handle to the required value.
3. Release the lock collar and use the tool.

### Direction reversal

1. Turn the selector on the head.
2. Press the button on the head to release the socket.


### Examples of use:



## CALIBRATION SERVICE

- Cembre TWC range torque wrenches are designed to meet the requirements of ISO9001:2015 para 7.1.5 when correctly calibrated at prescribed intervals.
- ISO 6789 recommends inspection by appropriate persons every 12 months or 5000 cycles of operation.

## Loading (N) and Torque setting (Nm) for metric screw threads

DIN 267 NORM		Thread		8.8		10.9		12.9	
Screw thread	 mm	thick mm	thin mm	N	Nm	N	Nm	N	Nm
M 2	4	0,4		863	0,37	1216	0,52	1461	0,63
M 2,5	5	0,5		1598	0,86	2246	1,21	2697	1,45
M 3	5,5	0,5		2207	1,34	3109	1,88	3727	2,26
M 3,5	6	0,6		2962	2,06	4168	2,89	5001	3,48
M 4	7	0,7		3825	3,04	5374	4,31	6453	5,15
M 5	8	0,8		6257	6,03	8806	8,48	10591	10,20
M 6	10	1,0		8836	10,30	12405	14,71	14906	17,65
M 7	11	1,0		12945	17,16	18191	24,52	21771	28,44
M 8	13	1,25	1,0	16230	25,50	22752	35,30	27361	42,17
M 10	17	1,5	1,25	25792	50,01	36285	70,61	43542	85,32
M 12	19	1,8	1,5	37658	87,28	52956	122,58	63547	147,10
M 14	22	2,0	1,5	51681	138,27	72668	194,17	87280	235,36
M 16	24	2,0	1,5	71197	210,84	100028	299,10	120132	357,94
M 18	27	2,5	2,0	86495	289,30	121603	411,88	146120	490,34
M 20	30	2,5	2,0	111306	411,88	156417	578,50	187798	696,28
M 22	34	2,5	2,0	139255	558,98	195644	784,54	234380	941,44
M 24	36	3,0	2,0	160340	710,99	225554	1000,28	270665	1196,42
M 27	41	3,0	2,0	210844	1049,32	296163	1480,81	355984	1775,01
M 30	46	3,5	2,0	255955	1421,97	359906	2010,38	432476	2402,64
M 33	50	3,5	2,0	319699	1931,92	449147	2716,46	539369	3265,63
M 36	55	4,0	3,0	374616	2481,10	527601	3491,19	632533	4197,27
M 39	60	4,0	3,0	451109	3226,41	633513	4530,70	761001	5442,72
M 42	65	4,5	3,0	515833	3991,33	725697	5609,44	870836	6727,40
M 45	70	4,5	3,0	604093	4991,62	850242	7011,80	1019899	8414,16
M 48	75	5,0	3,0	679605	6021,32	956154	8473,00	1147385	10149,94
M 52	80	5,0	4,0	815918	7747,30	1147385	10885,45	1377843	13091,96
M 56	85	5,5	4,0	940463	9649,80	1323906	13582,29	1588687	16279,14
M 60	90	5,5	4,0	1098351	11964,19	1544557	16867,54	1853468	20201,82
M 64	95	6,0	4,0	1245452	14415,86	1750498	20299,89	2098636	24320,64
M 68	100	6,0	4,0	1420672	17645,00	1997539	24809,00	2395691	29754,00



**Cembre S.p.A.**  
 Telefono: +39 030 36921  
 Telefax: +39 030 3365766  
[www.cembre.it](http://www.cembre.it)  
 E-mail: sales@cembre.com



**Cembre Ltd.**  
 Tel.: +44 01675 470440  
 Fax: +44 01675 470220  
[www.cembre.co.uk](http://www.cembre.co.uk)  
 E-mail: sales@cembre.co.uk



**Cembre S.a.r.l.**  
 Tél.: +33 01 60 49 11 90  
 Fax: +33 01 60 49 29 10  
[www.cembre.fr](http://www.cembre.fr)  
 E-mail: info@cembre.fr



**Cembre España S.L.**  
 Teléfono: +34 91 4852580  
 Telefax: +34 91 4852581  
[www.cembre.es](http://www.cembre.es)  
 E-mail: comercial@cembre.es



**Cembre GmbH**  
 Telefon: +49 089 3580676  
 Telefax: +49 089 3580677  
[www.cembre.de](http://www.cembre.de)  
 E-mail: sales@cembre.de



**Cembre Inc.**  
 Tel.: +1 732 225-7415  
 Fax: +1 732 225-7414  
[www.cembreinc.com](http://www.cembreinc.com)  
 E-mail: Sales.US@cembreinc.com