

# PRODUCT SPECIFICATION

**Carl  
Kammerling**  
International

<b>Brand</b>	C.K
<b>Product Range</b>	Sockets, Wrenches and Sets
<b>Catalogue number</b>	As listed
<b>Date</b>	16/03/2009

## Range Description

A range of professional quality Sockets, Wrenches and sets

## Features

C.K Sockets use the 'Sure -drive' system, which means that the torque is applied to the flat of the nut rather than the corners. This avoids 'rounding off' problems.

### 4463

- 1/2" Square drive, reversible
- Micrometer sleeve for accurate torque setting
- Individually calibrated and supplied with a certificate of calibration
- Range 42-210Nm (30-154lb/ft)
- Supplied in a protective storage case complete with 120mm extension drive and 3/8" square drive adapter

### 4603

- Forged Chrome Vanadium Steel
- 1/2" Square drive, reversible
- 24 Teeth 15 degree working arc
- Push button socket release for security
- Non slip satin chrome plated for maximum resistance to rust and peeling

### 4655

- Forged Chrome Vanadium Steel
- 1/4" drive
- 39 Piece set
- Strong storage case
- Non slip satin chrome plated for maximum resistance to rust and peeling

### 4656

- Forged Chrome Vanadium Steel
- 3/8" drive



4463



4603



4655



4656

- 23 Piece set
- Strong storage case
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4657**

- Forged Chrome Vanadium Steel
- ½" Drive
- 22 Piece set
- Strong storage case
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4690M**

- Forged Chrome Vanadium Steel
- ½" drive
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4691**

- Forged Chrome Vanadium Steel
- ½" Square drive, reversible
- 45 Teeth 8 degree working arc
- Push button socket release
- Dual component non-slip grip
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4692**

- Forged Chrome Vanadium Steel
- ½" Square drive
- Flexible handle for angled access in tight spaces
- Dual component non-slip grip
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4693**

- Forged Chrome Vanadium Steel
- ½" Square drive
- 250mm long, male/female extension drive
- Non slip satin chrome plated for maximum resistance to rust and peeling

**4694**

- Forged Chrome Vanadium Steel
- ½" Square drive
- 125mm long, male/female extension drive
- Non slip satin chrome plated for maximum



4657



4690M



4691



4692



4693



4694



4695



4696

<p>resistance to rust and peeling</p> <p><b>4695</b></p> <ul style="list-style-type: none"> <li>• Forged Chrome Vanadium Steel</li> <li>• ½" Square drive</li> <li>• 250mm shaft with sliding drive</li> <li>• Non slip satin chrome plated for maximum resistance to rust and peeling</li> </ul> <p><b>4696</b></p> <ul style="list-style-type: none"> <li>• Forged Chrome Vanadium Steel</li> <li>• ½" Square drive</li> <li>• Universal joint for restricted/angled access</li> <li>• Non slip satin chrome plated for maximum resistance to rust and peeling</li> </ul>	
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Item Number	Item Description	EAN No	Commodity code	Carton Qty
T4463	Torque Wrench	5013969050998	82041200	12
T4603	Ratchet Handle 1/2" Drive	5013969579802	82042000	3
T4655	Sure Drive Socket Set 1/4" Drive	5013969067750	82042000	10
T4656	Sure Drive Socket Set 3/8" Drive	5013969067767	82042000	10
T4657	Sure Drive Socket Set 1/2" Drive	5013969067774	82042000	5
T4690M 10	Sure Drive Socket 1/2" Drive 10mm	5013969067972	82042000	5
T4690M 11	Sure Drive Socket 1/2" Drive 11mm	5013969067989	82042000	5
T4690M 12	Sure Drive Socket 1/2" Drive 12mm	5013969067996	82042000	5
T4690M 13	Sure Drive Socket 1/2" Drive 13mm	5013969068009	82042000	5
T4690M 14	Sure Drive Socket 1/2" Drive 14mm	5013969068016	82042000	5
T4690M 15	Sure Drive Socket 1/2" Drive 15mm	5013969068023	82042000	5
T4690M 16	Sure Drive Socket 1/2" Drive 16mm	5013969068030	82042000	5
T4690M 17	Sure Drive Socket 1/2" Drive 17mm	5013969068047	82042000	5
T4690M 18	Sure Drive Socket 1/2" Drive 18mm	5013969068054	82042000	5
T4690M 19	Sure Drive Socket 1/2" Drive 19mm	5013969068061	82042000	5
T4690M 20	Sure Drive Socket 1/2" Drive 20mm	5013969068078	82042000	5
T4690M 21	Sure Drive Socket 1/2" Drive 21mm	5013969068085	82042000	5
T4690M 22	Sure Drive Socket 1/2" Drive 22mm	5013969068092	82042000	5
T4690M 23	Sure Drive Socket 1/2" Drive 23mm	5013969068115	82042000	5
T4690M 24	Sure Drive Socket 1/2" Drive 24mm	5013969068122	82042000	5
T4690M 27	Sure Drive Socket 1/2" Drive 27mm	5013969068139	82042000	5
T4690M 30	Sure Drive Socket 1/2" Drive 30mm	5013969068146	82042000	5
T4690M 32	Sure Drive Socket 1/2" Drive 32mm	5013969068153	82042000	5

T4691	Sure Drive Ratchet 1/2" Drive	5013969068160	82042000	5
T4692	Sure Drive Flexible Handle 1/2" Drive	5013969068177	82042000	5
T4693	Sure Drive 250mm Extension 1/2" Drive	5013969068184	82042000	5
T4694	Sure Drive 125mm Extension 1/2" Drive	5013969068191	82042000	5
T4695	Sure Drive Sliding T-Handle ½"Drive	5013969068214	82042000	5
T4696	Sure Drive Universal Joint 1/2" Drive	5013969068221	82042000	5

Technical product information	<p>Set Contents</p> <p><b>4655</b> Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 &amp; 14mm Sockets bits: Hexagon 3, 4, 5 &amp; 6mm. Torx Tamperproof 8, 10, 15, 20, 25, 27, 30 &amp; 40. PZD 1, 2 &amp; 3. PH 1,2 &amp; 3. Slotted 4, 5.5 &amp; 7mm Accessories: 50mm extension, 50mm extension/driver. Universal joint, Adapter, 45 tooth quick release ratchet</p> <p><b>4656</b> Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22 &amp; 24mm Accessories: 70mm extension, 150mm extension, Universal joint, 45 tooth quick release ratchet.</p> <p><b>4656</b> Sockets: 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 24, 27, 30 &amp; 32mm. Plus long sockets 16 &amp; 21mm Accessories: 150mm extension, 250mm extension, T/bar, 3/8" adapter, Universal joint, 45 tooth quick release ratchet.</p>
Standards compliance	None applicable
User health and safety information	None applicable
RoHS/WEEE compliance	This product range does not fall within the scope of RoHS or WEEE regulations
Material safety data	None applicable
Warranty	C.K Tools are guaranteed for life against imperfect materials or workmanship Normal wear and tear or damage caused through inappropriate use is not covered
Country of origin	Taiwan

## Dimensional details

Item	Product only				Product on primary packaging			
	Width mm	Depth mm	Height mm	Net weight g	Width mm	Depth mm	Height mm	Gross weight g
T4463	80	490	65	1956	80	490	65	1960
T4603	45	40	270	686	60	42	310	700
T4655	138	288	43	1598	140	290	45	1620
T4656	155	320	50	2380	160	325	55	2420
T4657	145	350	50	4285	150	355	55	4345
T4690M 10	22	22	38	45	42	22	100	52
T4690M 11	22	22	38	47	42	22	100	54
T4690M 12	22	22	38	49	42	22	100	56
T4690M 13	22	22	38	51	42	22	100	58
T4690M 14	22	22	38	53	42	22	100	60
T4690M 15	22	22	38	51	42	22	100	58
T4690M 16	22	22	38	57	42	22	100	64
T4690M 17	24	24	38	59	42	24	100	66
T4690M 18	24	24	38	71	42	24	100	78
T4690M 19	25	25	38	63	42	25	100	70
T4690M 20	27	27	38	75	42	27	100	82
T4690M 21	27	27	38	73	42	27	100	80
T4690M 22	29	29	38	95	42	29	100	102
T4690M 23	31	31	38	111	42	31	100	118
T4690M 24	31	31	38	111	42	31	100	118
T4690M 27	35	35	38	141	42	35	100	148
T4690M 30	39	39	38	191	42	39	100	198
T4690M 32	41	41	38	217	42	41	100	224
T4691	40	40	260	600	60	40	310	623
T4692	30	40	410	745	60	40	465	760
T4693	23	23	250	425	60	25	310	440
T4694	23	23	125	221	60	25	185	236
T4695	42	25	255	361	60	25	310	376
T4696	23	23	75	159	60	25	140	174

Item	Shelf box (secondary packaging)				Euro Pallet data Wi x Hi	
	Width mm	Depth mm	Height mm	Gross weight g	No of cartons on base	Number of rows high

T4463	260	510	270	24105		
T4603	100	300	65	2168		
T4655	320	320	260	16725		
T4656	360	350	300	24900		
T4657	175	480	300	22193		
T4690M 10	110	145	42	314		
T4690M 11	110	145	42	324		
T4690M 12	110	145	42	332		
T4690M 13	110	145	42	344		
T4690M 14	110	145	42	354		
T4690M 15	110	145	42	344		
T4690M 16	110	145	42	374		
T4690M 17	110	145	42	384		
T4690M 18	110	145	42	444		
T4690M 19	110	145	42	404		
T4690M 20	120	180	42	470		
T4690M 21	120	180	42	460		
T4690M 22	120	180	42	570		
T4690M 23	120	180	42	650		
T4690M 24	120	180	42	650		
T4690M 27	120	180	42	800		
T4690M 30	115	250	60	1080		
T4690M 32	115	250	60	1210		
T4691	190	320	60	3219		
T4692	240	490	70	4152		
T4693	110	345	80	2306		
T4694	110	345	80	1286		
T4695	110	345	80	1986		
T4696	110	345	80	976		

### Packaging waste details

Item	Primary Packaging				Secondary packaging			
	Plastic g	Use	Card g	Use	Plastic g	Use	Card g	Use
T4463	4	Wrap					585	Box

T4603	14	Hanger					68	Box
T4655	4	Wrap	18	Box			525	Box
T4656	4	Wrap	36	Box			700	Box
T4657	6	Wrap	54	Box			468	Box
T4690M 10	7	Hanger					54	Box
T4690M 11	7	Hanger					54	Box
T4690M 12	7	Hanger					54	Box
T4690M 13	7	Hanger					54	Box
T4690M 14	7	Hanger					54	Box
T4690M 15	7	Hanger					54	Box
T4690M 16	7	Hanger					54	Box
T4690M 17	7	Hanger					54	Box
T4690M 18	7	Hanger					54	Box
T4690M 19	7	Hanger					54	Box
T4690M 20	7	Hanger					60	Box
T4690M 21	7	Hanger					60	Box
T4690M 22	7	Hanger					60	Box
T4690M 23	7	Hanger					60	Box
T4690M 24	7	Hanger					60	Box
T4690M 27	7	Hanger					60	Box
T4690M 30	7	Hanger					90	Box
T4690M 32	7	Hanger					90	Box
T4691	23	Hanger					104	Box
T4692	15	Hanger					352	Box
T4693	15	Hanger					106	Box
T4694	15	Hanger					106	Box
T4695	15	Hanger					106	Box
T4696	15	Hanger					106	Box