

PRODUCT SPECIFICATION

**Carl
Kammerling**
International

| | |
|-------------------------|----------------------------|
| Brand | C.K |
| Product Range | Sockets, Wrenches and Sets |
| Catalogue number | As listed |
| Date | 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

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- 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>4695</p> <ul style="list-style-type: none"> • Forged Chrome Vanadium Steel • ½" Square drive • 250mm shaft with sliding drive • Non slip satin chrome plated for maximum resistance to rust and peeling <p>4696</p> <ul style="list-style-type: none"> • Forged Chrome Vanadium Steel • ½" Square drive • Universal joint for restricted/angled access • Non slip satin chrome plated for maximum resistance to rust and peeling | | | | |
|---|-----------------------------------|---------------|----------------|------------|
| 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 |

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|-------|--|---------------|----------|---|
| 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 1/2" Drive | 5013969068214 | 82042000 | 5 |
| T4696 | Sure Drive Universal Joint 1/2" Drive | 5013969068221 | 82042000 | 5 |

| | |
|------------------------------------|--|
| Technical product information | <p>Set Contents</p> <p>4655 Sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 & 14mm Sockets bits: Hexagon 3, 4, 5 & 6mm. Torx Tamperproof 8, 10, 15, 20, 25, 27, 30 & 40. PZD 1, 2 & 3. PH 1,2 & 3. Slotted 4, 5.5 & 7mm Accessories: 50mm extension, 50mm extension/driver. Universal joint, Adapter, 45 tooth quick release ratchet</p> <p>4656 Sockets: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22 & 24mm Accessories: 70mm extension, 150mm extension, Universal joint, 45 tooth quick release ratchet.</p> <p>4656 Sockets: 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 24, 27, 30 & 32mm. Plus long sockets 16 & 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

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| 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 |
| | | | | | | |

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|-----------|-----|-----|-----|-------|--|--|
| 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 |

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|-----------|----|--------|----|-----|--|--|-----|-----|
| 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 |

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