

# PRODUCT SPECIFICATION

**Carl  
Kammerling**  
International

<b>Brand</b>	C.K
<b>Product Range</b>	Spanners
<b>Catalogue number</b>	4343M, 4345, 4381 & 4382
<b>Date</b>	17/02/2009

**Range Description**  
A range of professional quality spanners

**Features**

**4343M**

- Hot drop forged from Chrome Vanadium steel
- Hardened and tempered for strength and durability
- Chrome plated for corrosion resistance
- Sets supplied in wall mounting rack for convenient storage



4343M



4343M10ST



4343/12ST

**4345**

- Hot drop forged from Chrome Vanadium steel
- Hardened and tempered for strength and durability
- Colour coded for quick selection of the correct size
- Featuring an innovative jaw design which allows the spanners to be used with a ratchet action for fast work
- The ratchet action doesn't need excessive spanner movement making them very convenient for use in tight places
- supplied in wall mounting rack for convenient storage



4345/6ST

**4381/4382**

- Hot drop forged from Chrome Vanadium steel
- Hardened and tempered for strength and long life
- Sized for compression nuts commonly found in plumbing applications



4381



4382

Item Number	Item Description	EAN No	Commodity code	Carton Qty
T4343M 06	Combination Spanner 06mm	5013969549508	82041100	10
T4343M 06H	Combination Spanner 06mm On Hanger	5013969434361	82041100	6
T4343M 07	Combination Spanner 07mm	5013969001129	82041100	10
T4343M 07H	Combination Spanner 07mm On Hanger	5013969434378	82041100	6
T4343M 08	Combination Spanner 08mm	5013969001136	82041100	10
T4343M 08H	Combination Spanner 08mm On Hanger	5013969434385	82041100	6
T4343M 09	Combination Spanner 09mm	5013969549805	82041100	10
T4343M 09H	Combination Spanner 09mm On Hanger	501396934392	82041100	6
T4343M 10	Combination Spanner 10mm	5013969549904	82041100	10
T4343M 10H	Combination Spanner 10mm On Hanger	5013969434415	82041100	3
T4343M 11	Combination Spanner 11mm	5013969550009	82041100	10
T4343M 11H	Combination Spanner 11mm On Hanger	5013969434118	82041100	3
T4343M 12	Combination Spanner 12mm	5013969550108	82041100	10
T4343M 12H	Combination Spanner 12mm On Hanger	5013969434125	82041100	3

T4343M 13	Combination Spanner 13mm	5013969550207	82041100	10
T4343M 13H	Combination Spanner 13mm On Hanger	5013969434132	82041100	3
T4343M 14	Combination Spanner 14mm	5013969550306	82041100	10
T4343M 14H	Combination Spanner 14mm On Hanger	5013969434149	82041100	6
T4343M 15	Combination Spanner 15mm	5013969550405	82041100	10
T4343M 15H	Combination Spanner 15mm On Hanger	5013969434156	82041100	6
T4343M 16	Combination Spanner 16mm	5013969550504	82041100	10
T4343M 16H	Combination Spanner 16mm On Hanger	5013969434163	82041100	6
T4343M 17	Combination Spanner 17mm	5013969550603	82041100	10
T4343M 17H	Combination Spanner 17mm On Hanger	5013969434170	82041100	3
T4343M 18	Combination Spanner 18mm	5013969550702	82041100	10
T4343M 18H	Combination Spanner 18mm On Hanger	5013969434187	82041100	1
T4343M 19	Combination Spanner 19mm	5013969550801	82041100	10
T4343M 19H	Combination Spanner 19mm On Hanger	5013969434194	82041100	1
T4343M 20	Combination Spanner 20mm	5013969550900	82041100	5
T4343M 20H	Combination Spanner 20mm On Hanger	5013969967104	82041100	1
T4343M 21	Combination Spanner 21mm	5013969551006	82041100	5
T4343M 21H	Combination Spanner 21mm On Hanger	5013969434217	82041100	1
T4343M 22	Combination Spanner 22mm	5013969551105	82041100	5
T4343M 22H	Combination Spanner 22mm On Hanger	5013969434224	82041100	1
T4343M 24	Combination Spanner 24mm	5013969002898	82041100	5
T4343M 24H	Combination Spanner 24mm On Hanger	5013969434248	82041100	1
T4343M 27	Combination Spanner 27mm	5013969551600	82041100	5
T4343M 27H	Combination Spanner 27mm On Hanger	5013969434279	82041100	1
T4343M 30	Combination Spanner 30mm	5013969551808	82041100	5
T4343M 30H	Combination Spanner 30mm On Hanger	5013969434316	82041100	1
T4343M 32	Combination Spanner 32mm	5013969551907	82041100	5
T4343M 32H	Combination Spanner 32mm On Hanger	5013969434323	82041100	1
T4343M/10ST	Combination Spanner Set/10	5013969341003	82041100	3
T4343M/12ST	Combination Spanner Metric Set/12	5013969066173	82041100	1
T4345/6ST	Speed Spanners Set/6	5013969984897	82041100	5
T4381	D/E Plumbing Spanner 24x32mm	5013969974072	82041100	3
T4382 039	S/E Plumbing Spanner 39mm	5013969974089	82041100	3

Technical product information	
Standards compliance	4343M – manufactured to DIN 3113 4381 – manufactured to DIN 895 4382 – manufactured to DIN 894
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
T4343M 06	15	3	100	14	-	-	-	-
T4343M 06H	15	3	100	14	45	12	170	18
T4343M 07	18	3	110	18	-	-	-	-
T4343M 07H	18	3	110	18	45	12	180	22
T4343M 08	20	4	120	24	-	-	-	-
T4343M 08H	20	4	120	24	45	12	190	28
T4343M 09	21	6	130	30	-	-	-	-
T4343M 09H	21	6	130	30	45	12	200	34
T4343M 10	23	6	140	36	-	-	-	-
T4343M 10H	23	6	140	36	45	12	210	40
T4343M 11	25	8	150	46	-	-	-	-
T4343M 11H	25	8	150	46	45	12	220	50
T4343M 12	27	9	160	54	-	-	-	-
T4343M 12H	27	9	160	54	45	12	230	58
T4343M 13	28	10	170	68	-	-	-	-
T4343M 13H	28	10	170	68	45	15	240	72
T4343M 14	30	10	180	84	-	-	-	-
T4343M 14H	30	10	180	84	45	15	250	88
T4343M 15	34	11	190	96	-	-	-	-

T4343M 15H	34	11	190	96	45	15	260	100
T4343M 16	35	12	200	108	-	-	-	-
T4343M 16H	35	12	200	108	45	15	270	112
T4343M 17	37	15	210	126	-	-	-	-
T4343M 17H	37	15	210	126	45	15	280	130
T4343M 18	38	16	220	152	-	-	-	-
T4343M 18H	38	16	220	152	45	15	290	156
T4343M 19	41	16	230	168	-	-	-	-
T4343M 19H	41	16	230	168	45	15	300	172
T4343M 20	42	16	240	172	-	-	-	-
T4343M 20H	42	16	240	172	45	15	300	176
T4343M 21	44	16	250	190	-	-	-	-
T4343M 21H	44	16	250	190	45	17	310	194
T4343M 22	47	17	260	252	-	-	-	-
T4343M 22H	47	17	260	252	47	18	315	256
T4343M 24	50	20	280	278	-	-	-	-
T4343M 24H	50	20	280	278	50	18	320	282
T4343M 27	55	20	310	368	-	-	-	-
T4343M 27H	55	20	310	368	55	20	350	374
T4343M 30	60	25	340	492	-	-	-	-
T4343M 30H	60	25	340	492	60	20	370	496
T4343M 32	63	30	360	590	-	-	-	-
T4343M 32H	63	30	360	590	63	30	390	594
T4343M/10ST	230	25	180	936	315	30	265	970
T4343M/12ST	155	50	320	1290	155	50	320	1290
T4345/6ST	245	20	345	765	245	20	345	765
T4381	65	11	270	340	920	13	320	358
T4382 039	73	12	295	402	110	15	330	426

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
T4343M 06	35	120	30	152		
T4343M 06H	90	220	25	94		
T4343M 07	35	120	30	188		
T4343M 07H	90	220	25	114		
T4343M 08	40	135	35	252		
T4343M 08H	90	220	25	172		
T4343M 09	40	135	35	330		
T4343M 09H	90	220	25	172		
T4343M 10	40	160	30	374		
T4343M 10H	80	180	20	126		
T4343M 11	50	160	35	486		
T4343M 11H	90	180	20	164		
T4343M 12	50	175	40	575		
T4343M 12H	110	220	20	180		
T4343M 13	60	185	40	715		
T4343M 13H	110	220	20	222		
T4343M 14	50	190	70	865		
T4343M 14H	90	230	40	530		
T4343M 15	70	200	50	965		
T4343M 15H	140	230	40	600		
T4343M 16	80	235	60	1135		
T4343M 16H	140	250	40	665		
T4343M 17	80	240	60	1300		
T4343M 17H	90	250	30	410		
T4343M 18	90	240	60	1515		
T4343M 18H	-	-	-	-		
T4343M 19	80	250	60	1680		
T4343M 19H	-	-	-	-		
T4343M 20	70	260	50	900		
T4343M 20H	-	-	-	-		
T4343M 21	80	280	50	1000		
T4343M 21H	-	-	-	-		
T4343M 22	80	280	50	1215		
T4343M 22H	-	-	-	-		

T4343M 24	70	300	75	1455		
T4343M 24H	-	-	-	-		
T4343M 27	75	330	90	1875		
T4343M 27H	-	-	-	-		
T4343M 30	80	370	85	2532		
T4343M 30H	-	-	-	-		
T4343M 32	80	390	90	3012		
T4343M 32H	-	-	-	-		
T4343M/10ST	290	230	110	3036		
T4343M/12ST	170	340	60	1382		
T4345/6ST	260	260	105	3963		
T4381	150	30	340	1050		
T4382 039	150	30	370	1293		

## Packaging waste details

Item	Primary Packaging				Secondary packaging			
	Plastic g	Use	Card g	Use	Plastic g	Use	Card g	Use
T4343M 06							8	Box
T4343M 06H	4	Hanger			4	Bag		
T4343M 07							8	Box
T4343M 07H	4	Hanger			4	Bag		
T4343M 08							12	Box
T4343M 08H	4	Hanger			4	Bag		
T4343M 09							12	Box
T4343M 09H	4	Hanger			4	Bag		
T4343M 10							14	Box
T4343M 10H	4	Hanger			4	Bag		
T4343M 11							14	Box
T4343M 11H	4	Hanger			4	Bag		
T4343M 12							18	Box
T4343M 12H	4	Hanger			6	Bag		
T4343M 13							20	Box
T4343M 13H	4	Hanger			6	Bag		
T4343M 14							26	Box
T4343M 14H	4	Hanger			6	Bag		

T4343M 15							26	Box
T4343M 15H	4	Hanger			10	Bag		
T4343M 16							34	Box
T4343M 16H	4	Hanger			14	Bag		
T4343M 17							34	Box
T4343M 17H	4	Hanger			10	Bag		
T4343M 18							38	Box
T4343M 18H	4	Hanger						
T4343M 19							38	Box
T4343M 19H	7	Hanger						
T4343M 20							22	Box
T4343M 20H	7	Hanger						
T4343M 21							38	Box
T4343M 21H	7	Hanger						
T4343M 22							38	Box
T4343M 22H	7	Hanger						
T4343M 24							44	Box
T4343M 24H	7	Hanger						
T4343M 27							60	Box
T4343M 27H	7	Hanger						
T4343M 30							62	Box
T4343M 30H	7	Hanger						
T4343M 32							62	Box
T4343M 32H	7	Hanger						
T4343M/10ST	22	Blister	12	Backing card			228	Box
T4343M/12ST							92	Box
T4345/6ST							138	Box
T4381	18	Wallet			14	Bag		
T4382 039	18	Wallet			15	Bag		