



Interchangeable Head Micrometer Adjustable CCM Series



CCM Series Features

- Incredible Versatility! Accepts over 100 interchangeable heads, as well as custom heads and extensions, and offers micrometer torque adjustment!
- The +/- 4% Indicated Value Accuracy meets or exceeds ASME B107.14M, AS 28431 and ISO 6789.
- Fast adjustment—takes the fewest rotations of any tool to reach full scale!
- Comes with FREE ISO/IEC 17025 calibration certificate!
- Neoprene rubber grip offers oil and chemical resistance, as well as cushioning and firm grip for excellent ergonomics!
- Excellent audible and tactile impulse when set torque achieved.
- Unique dovetail design transmits the load at right angle from the wrench to the head; exceptional strength and rigidity of connection.
- The pin lock assures positive head connection, yet permits head changeover in seconds!
- Bi-directional versatility obtained by simply removing head, turning wrench over, and replacing head.
- Aluminum increment band is color-coded: black for inch-pounds, gold for foot-pounds, and blue for Nm.

CCM Dovetail Head Series – English

Part Number	Model	Torque Capacity	Steps of Graduations	Overall Length
810769	CCM 50I	10-50 in. lbs.	1 in. lb.	9.0
810765	CCM 150I	30-150 in. lbs.	2 in. lbs.	9.0
810763	CCM 600I	100-600 in. lbs.	5 in. lbs.	12.8
810766	CCM 750I	150-750 in. lbs.	5 in. lbs.	12.8
810770	CCM 75	15-75 ft. lbs.	½ ft. lb.	12.8
810764	CCM 1200I	200-1200 in. lbs.	10 in. lbs.	16.3
810762	CCM 1800I	300-1800 in. lbs.	10 in. lbs.	16.3
810771	CCM 150	30-150 ft. lbs.	1 ft. lb.	16.3
810335	CCM 300†	50-300 ft. lbs.	2½ ft. lbs.	26.0
810772	CCM 400†	50-400 ft. lbs.	5 ft. lbs.	36.0

CCM Dovetail Head Series – Newton Metre

Part Number	Model	Torque Capacity	Steps of Graduations	Overall Length
810784	CCM 6 Nm	1-6 Nm	.1 Nm	9.0
810785	CCM 20 Nm	4-20 Nm	.2 Nm	9.0
810786	CCM 100 Nm	20-100 Nm	.5 Nm	12.8
810787	CCM 200 Nm	40-200 Nm	1 Nm	16.3
810788	CCM 400 Nm†	75-400 Nm	2.5 Nm	26.0
810794	CCM 600 Nm†	100-600 Nm	5 Nm	36.0

† Wrenches calibrated for use with heads having 3/8" common centerline.
On request wrenches can be calibrated for 1/2" centerline.

Includes FREE
certification from our ISO/IEC
17025 Accredited calibration
laboratory!





Interchangeable Heads

Why Our Interchangeable Head System is the World's Best

Virtually all interchangeable heads on these pages are made as a single piece from alloy steel. This construction method provides strength and durability rarely attained by the more common cut and weld method. In addition, to achieve constant torque values when changing heads, exact lever length must be maintained. S/R heads share a precise distance from end of wrench to center of fastener. This is referred to as a Common Centerline and is very difficult to maintain when using the welded construction method.

The unique dovetail design used to join head and wrench provides exceptionally strong connection and allows complete interchange-ability. Competing manufacturers find it necessary to increase the size of the mating connection at higher torque values, creating duplication of wrenches and heads while losing interchangeability.



SQUARE DRIVE (SD)

SQUARE DRIVE (SD)

1 7/8" Common Centerline

SQUARE DRIVE			
Part Number	Model	Drive Size	Max. Torque (in. lbs.)
819057	SD-1/4	1/4"	250
819058	SD-3/8	3/8"	1250
819059	SD-1/2	1/2"	2500
819119	SD-3/4*	3/4"	4800

* 3/8" Common Centerline

SQUARE DRIVE RATCHET (SDRT)

1 7/8" Common Centerline

RATCHET SQ. DR.			
Part Number	Model	Drive Size	Max. Torque (in. lbs.)
809504	SDRT-1/4	1/4"	250
809505	SDRT-3/8	3/8"	1250
809506	SDRT-1/2	1/2"	2500
809507	SDRT-3/4*	3/4"	4800

* 3/8" Common Centerline



SQUARE DRIVE RATCHET (SDRT)

RATCHET RENEWAL KITS for ratcheting wrenches and SDRT Heads

1/2" Ratchet Renewal Kit P/N 816998

3/8" Ratchet Renewal Kit P/N 816958

1/2" Ratchet Renewal Kit P/N 816956

3/4" Ratchet Renewal Kit P/N 816999

OPEN END (OE)

1 7/8" Common Centerline

OPEN END - ENGLISH			
Part Number	Model	Hex Size	Max. Torque (in. lbs.)
819000	OE-1/4	1/4"	100
819001	OE-3/16	3/16"	150
819002	OE-3/8	3/8"	200
819003	OE-7/16	7/16"	300
819004	OE-1/2	1/2"	350
819005	OE-9/16	9/16"	400
819006	OE-5/8	5/8"	600
819007	OE-11/16	11/16"	800
819008	OE-3/4	3/4"	1000
819009	OE-13/16	13/16"	1250
819010	OE-7/8	7/8"	1500
819011	OE-15/16	15/16"	1750
819012	OE-1	1"	2000
819013	OE-1 1/16	1 1/16"	2250
819014	OE-1 1/8	1 1/8"	2500
819015	OE-1 3/8	1 3/8"	2750
819016	OE-1 1/4	1 1/4"	3000

OPEN END - METRIC			
Part Number	Model	Hex Size	Max. Torque (Nm)
809291	OE-7mm	7mm	11
809292	OE-8mm	8mm	16
809293	OE-9mm	9mm	22
819943	OE-10mm	10mm	22
819944	OE-11mm	11mm	34
809226	OE-12mm	12mm	39
819945	OE-13mm	13mm	39
819946	OE-14mm	14mm	45
809227	OE-15mm	15mm	67
819947	OE-16mm	16mm	67
819948	OE-17mm	17mm	90
809228	OE-18mm	18mm	90
819949	OE-19mm	19mm	113
819950	OE-21mm	21mm	141
819951	OE-22mm	22mm	169
819952	OE-24mm	24mm	197
809229	OE-27mm	27mm	254
819956	OE-30mm	30mm	310
853043	OE-31mm	31mm	328
819958	OE-32mm	32mm	338



OPEN END (OE)

FLARE NUT (FN)

1 7/16" Common Centerline

FLARE NUT - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
819025	FN-1/4	1/4"	100
819026	FN-3/16	3/16"	150
819027	FN-3/8	3/8"	200
819028	FN-7/16	7/16"	250
819029	FN-1/2	1/2"	300
819030	FN-9/16	9/16"	350
819031	FN-5/8	5/8"	400
819032	FN-11/16	11/16"	475
819033	FN-3/4	3/4"	600
819034	FN-13/16	13/16"	700
819035	FN-7/8	7/8"	800
819036	FN-15/16	15/16"	900
819037	FN-1	1"	1000
819038	FN-1 1/16	1 1/16"	1050
819039	FN-1 1/8	1 1/8"	1100
819040	FN-1 3/16	1 3/16"	1150
819041	FN-1 1/4	1 1/4"	1200

FLARE NUT - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809243	FN-8mm	8mm	16
809217	FN-9mm	9mm	19
809218	FN-10mm	10mm	22
809221	FN-11mm	11mm	28
809241	FN-12mm	12mm	30
809000	FN-12mm*	12mm	30
809219	FN-13mm	13mm	33
809220	FN-14mm	14mm	40
809001	FN-14mm*	14mm	40
809222	FN-15mm	15mm	45
809238	FN-16mm	16mm	50
809223	FN-17mm	17mm	54
809239	FN-18mm	18mm	61
809224	FN-19mm	19mm	68
809240	FN-21mm	21mm	80
809242	FN-22mm	22mm	90
809225	FN-24mm	24mm	105
809244	FN-27mm	27mm	118

* 6 pt hex



FLARE NUT (FN)

BOX HEAD (BH)

1 7/16" Common Centerline

BOX HEAD - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
819060	BH-1/4	1/4"	250
819061	BH-3/16	3/16"	350
819062	BH-3/8	3/8"	450
819063	BH-7/16	7/16"	650
819064	BH-1/2	1/2"	850
819065	BH-9/16	9/16"	1050
819066	BH-5/8	5/8"	1250
819067	BH-11/16	11/16"	1450
819068	BH-3/4	3/4"	1800
819069	BH-13/16	13/16"	2100
819070	BH-7/8	7/8"	2400
819071	BH-15/16	15/16"	2700
819072	BH-1	1"	3000
819073	BH-1 1/16	1 1/16"	3150
819074	BH-1 1/8	1 1/8"	3300
819085	BH-1 3/16	1 3/16"	3450
819075	BH-1 1/4	1 1/4"	3600

BOX HEAD - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809301	BH-7mm	7mm	28
809302	BH-8mm	8mm	39
809303	BH-9mm	9mm	50
809230	BH-10mm	10mm	50
809231	BH-11mm	11mm	73
809304	BH-12mm	12mm	96
809232	BH-13mm	13mm	96
809233	BH-14mm	14mm	119
809234	BH-15mm	15mm	141
809305	BH-16mm	16mm	141
809235	BH-17mm	17mm	163
809306	BH-18mm	18mm	163
809236	BH-19mm	19mm	203
809307	BH-21mm	21mm	237
809308	BH-22mm	22mm	271
809237	BH-24mm	24mm	305
809352	BH-27mm	27mm	355



BOX HEAD (BH)

HEX DRIVE (HD)

1 7/16" Common Centerline

HEX DRIVE - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
853030	HD-3/64	3/64"	20
819687	HD-3/32	3/32"	30
853031	HD-7/64	7/64"	40
819689	HD-1/8	1/8"	70
853032	HD-9/64	9/64"	70
819691	HD-5/32	5/32"	135
819692	HD-3/16	3/16"	235
819693	HD-7/32	7/32"	340
819694	HD-1/4	1/4"	450
819695	HD-5/16	5/16"	850
819696	HD-3/8	3/8"	850
819697	HD-7/16	7/16"	1450
819699	HD-9/16	9/16"	1450
819700	HD-5/8	5/8"	2100
819701	HD-3/4	3/4"	2400
819702	HD-7/8	7/8"	2700

HEX DRIVE - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809315	HD-4mm	4mm	15
809316	HD-5mm	5mm	27
809317	HD-6mm	6mm	38
809328	HD-8mm	8mm	96
809330	HD-10mm	10mm	141
809332	HD-12mm	12mm	164
809334	HD-14mm	14mm	164
809339	HD-19mm	19mm	270



HEX DRIVE (HD)



Interchangeable Heads



RATCHETING OPEN END (ROE)

RATCHETING OPEN END (ROE)

1⁷/₁₆" Common Centerline

Slight disengagement from the fastener allows operator to rapidly rotate wrench.

RATCHETING OPEN END - ENGLISH

Part Number	Model	Hex Size	Max. Torque (in. lbs.)
819200	ROE-1/4	1/4"	60
819202	ROE-3/8	3/8"	120
819203	ROE-1/2	1/2"	180
819204	ROE-5/8	5/8"	210
819205	ROE-3/4	3/4"	240
819206	ROE-7/8	7/8"	360
819208	ROE-1	1"	600
819209	ROE-1 1/16	1 1/16"	750
819210	ROE-7/8	7/8"	900
819211	ROE-1 5/16	1 5/16"	1050
819212	ROE-1	1"	1200
819213	ROE-1 1/8	1 1/8"	1350
819214	ROE-1 1/2	1 1/2"	1500
819215	ROE-1 3/8	1 3/8"	1650

RATCHETING OPEN END - METRIC

Part Number	Model	Hex Size	Max. Torque (Nm)
819217	ROE-7mm	7 mm	7
819218	ROE-8mm	8 mm	10
819219	ROE-9mm	9 mm	13
819220	ROE-10mm	10 mm	13
819221	ROE-11mm	11 mm	20
819222	ROE-12mm	12 mm	23
819223	ROE-13mm	13 mm	23
819224	ROE-14mm	14 mm	27
819225	ROE-15mm	15 mm	40
819226	ROE-16mm	16 mm	40
819227	ROE-17mm	17 mm	54
819228	ROE-18mm	18 mm	54
819229	ROE-19mm	19 mm	68
819231	ROE-22mm	22 mm	101
819232	ROE-24mm	24 mm	118
819233	ROE-27mm	27 mm	152
819238	ROE-32mm	32 mm	203



RATCHETING FLARE NUT (RFN)

RATCHETING FLARE NUT (RFN)

1⁷/₁₆" Common Centerline

Single-direction ratchet for use with hydraulic or pneumatic fittings.

Part Number	Model	Hex Size	Max. Torque (Nm)
819086	RFN-10mm	10 mm	25
819087	RFN-11mm	11 mm	25



STANDARD TOOLING ADAPTERS*

When fabricating special heads to be used with CCM torque handles other than Model CCM 300 and CCM 400, the 1 7/16 in. dimension must be maintained between the inside of the attachment block and the centerline of the wrench head. Model CCM 300 and CCM 400 are calibrated to 3/8 in. common centerline.

Part Number	Model	Max. Torque (in. lbs.)
819901	STA-1	1600
819902	STA-2	2500
809917	STA-3	4800

* Made of heat treated 4140 alloy steel.

STANDARD TOOLING ADAPTER



STRAIGHT EXTENSION

Part Number	Model	Angle (degrees)	Max. Torque (in. lbs.)
819424	LTCE-4	0	300
819467	LTCE-6	0	800
819021	LTCE-14	0	4800
819768	LTCE-20	0	4800

15° ANGLE EXTENSION

Part Number	Model	Angle (degrees)	Max. Torque (in. lbs.)
819487	LTCE-4-15°	15	300
819504	LTCE-6-15°	15	800



STRAIGHT AND 15° ANGLE EXTENSIONS

ADAPTERS FOR DIN STYLE HEADS

- Can be used to convert most DIN style heads to a female dovetail for use on all S/R LTC series wrenches. Torque values should be set with the adapter and head attached to the wrench.
- Because of the variation in the length of the DIN plug type heads it is not recommended that this adapter be used with CCM micrometer adjustable wrenches.

Part Number	Model
819136	Adapter, 9mm x 12mm
819137	Adapter, 14mm x 18mm



ADAPTER FOR DIN STYLE HEADS

ADAPTERS FOR ROUND STYLE HEADS

- Can be used to convert most round style heads to a female dovetail for use on all S/R LTC series wrenches. Torque values should be set with the adapter and head attached to the wrench.
- Because of the variation in the length of the round plug type heads it is not recommended that this adapter be used with CCM micrometer adjustable wrenches.

Part Number	Model	Description
853021	BAJ	"J" size female-female dovetail
853022	BAY	"Y" size female-female dovetail



ADAPTER FOR ROUND STYLE HEADS

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