

SNA-05

catalogi:online



Momentsleutels
(109-128)

BAHCO



AKKERMANS
INDUSTRIAL ENGINEERING





Torque Tools

DIGITAL TORQUE WRENCHES

Digital Torque and Angle Slim Bluetooth® Wrench with Memory and Rectangular Interchangeable Head



TAWMB MICRO

mm	Nm	Nm		
9x12 mm	1.5-30 N·m	0.01 N·m	1	TAWMB930M
9x12 mm	6.8-135 N·m	0.1 N·m	1	TAWMB9135M

Accuracy: 20% to 100% of full scale

Digital Torque and Angle Bluetooth® Wrench with Memory and Rectangular Interchangeable Head



TAWMB14_24

mm	Nm	Nm		
14x18 mm	17-340 N·m	1 N·m	1	TAWMB14340
24x32 mm	32.5-650 N·m	1 N·m	1	TAWMB24650
24x32 mm	40-800 N·m	1 N·m	1	TAWMB24800

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Slim Wrench with Memory/USB and Fixed Ratchet Head



TAWM MICRO

mm	Nm	Nm		
1/4 in	0.6-12 N·m	0.01 N·m	1	TAWM1412M
1/4 in	1.5-30 N·m	0.01 N·m	1	TAWM1430M
3/8 in	6.8-135 N·m	0.1 N·m	1	TAWM38135M

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Slim Wrench with Memory/USB and Rectangular Interchangeable Head



TAWM9 MICRO

mm	Nm	Nm		
9x12 mm	0.6-12 N·m	0.01 N·m	1	TAWM912M
9x12 mm	1.5-30 N·m	0.01 N·m	1	TAWM930M
9x12 mm	6.8-135 N·m	0.1 N·m	1	TAWM9135M

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Wrench with Memory/USB and Fixed Ratchet Head. with memory and USB data download



TAWM

mm	Nm	Nm		
1/4 in	1.5-30 N·m	1 N·m	1	TAWM1430*
3/8 in	7-135 N·m	1 N·m	1	TAWM38135
1/2 in	17-340 N·m	1 N·m	1	TAWM12340
3/4 in	40-800 N·m	1 N·m	1	TAWM34800

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Wrench with Memory/USB and Rectangular Interchangeable Head



TAWM9_14_24

mm	Nm	Nm		
9x12 mm	7-135 N·m	1 N·m	1	TAWM9135
14x18 mm	17-340 N·m	1 N·m	1	TAWM14340
24x32 mm	40-800 N·m	1 N·m	1	TAWM24800

Accuracy: 20% to 100% of full scale

Electronic torque angle wrench in aluminium. with memory and USB data download



TAWM alu

1.5-30 N·m	9x12 mm	1/4 in	1	TAWM930A*

Electronic Torque and Thin Angle Wrench with Fixed Ratchet Head



TAW MICRO

1/4 in	0.6-12 N·m	0.01 N·m	1	TAW1412M
1/4 in	1.5-30 N·m	0.01 N·m	1	TAW1430M
3/8 in	6.8-135 N·m	0.1 N·m	1	TAW38135M

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Slim Wrench with Rectangular Interchangeable Head



TAW9 MICRO

9x12 mm	0.6-12 N·m	0.01 N·m	1	TAW912M
9x12 mm	1.5-30 N·m	0.01 N·m	1	TAW930M
9x12 mm	6.8-135 N·m	0.1 N·m	1	TAW9135M

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Wrench with Fixed Ratchet Head



TAW

3/8 in	7-135 N·m	1 N·m	1	TAW38135
1/2 in	17-340 N·m	1 N·m	1	TAW12340
3/4 in	40-800 N·m	1 N·m	1	TAW34800

Accuracy: 20% to 100% of full scale

Electronic Torque and Angle Wrench with Rectangular Interchangeable Head



TAW9_14_24

9x12 mm	7-135 N·m	1 N·m	1	TAW9135
14x18 mm	17-340 N·m	1 N·m	1	TAW14340
24x32 mm	40-800 N·m	1 N·m	1	TAW24800

Accuracy: 20% to 100% of full scale

Electronic Torque Wrench with Rectangular Interchangeable Head



IZO-D

1/4 in	3-30 N·m	0.1 N·m	1	IZO-D-30
3/8 in	13.5-135 N·m	1 N·m	1	IZO-D-135
1/2 in	20-200 N·m	1 N·m	1	IZO-D-200
1/2 in	34-340 N·m	1 N·m	1	IZO-D-340



Electronic Torque Wrench with Fixed Ratchet Head. ring spanner

**IZO-DR**

	Nm	Nm	
3/4 in	81-810 N·m	1 N·m	1 IZO-DR-810

MECHANICAL TORQUE WRENCHES

Mechanical Adjustable Torque Click Wrench with Window Scale and Fixed Ratchet Head

**74WR-15/74WR-25**

	Nm	Nm	
1/4 in	3-15 N·m	0.1 N·m	1 74WR-15
1/4 in	5-25 N·m	0.2 N·m	1 74WR-25

Mechanical Adjustable Torque Click Wrench with Window Scale and Fixed Push-Through Ratchet Head

**74WR-50/74WR-400**

	Nm	Nm	
3/8"	10-50 N·m	0.5 N·m	1 74WR-50
3/8"	20-100 N·m	1 N·m	1 74WR-100B
1/2"	20-100 N·m	1 N·m	1 74WR-100
1/2"	40-200 N·m	2 N·m	1 74WR-200
1/2"	60-300 N·m	2 N·m	1 74WR-300
1/2"	60-340 N·m	5 N·m	1 74WR-340
3/4"	80-400 N·m	5 N·m	1 74WR-400

Mechanical Adjustable Torque Click Wrench with Window Scale and Rectangular Interchangeable Head

**74W9/74W14**

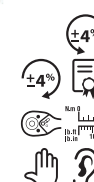
mm	Nm	Nm	
9x12 mm	3-15 N·m	0.2 N·m	1 74W9-15
9x12 mm	5-25 N·m	0.2 N·m	1 74W9-25
9x12 mm	10-50 N·m	0.5 N·m	1 74W9-50
9x12 mm	20-100 N·m	1 N·m	1 74W9-100
9x12 mm	40-200 N·m	1 N·m	1 74W9-200
14x18 mm	40-200 N·m	2 N·m	1 74W14-200
14x18 mm	60-300 N·m	2 N·m	1 74W14-300
14x18 mm	80-400 N·m	5 N·m	1 74W14-400

Mechanical Adjustable Torque Click Wrench with Window Scale and Spigot Interchangeable Head

**74WS-15/74WS-300**

mm	Nm	Nm	
16 mm	3-15 N·m	0.2 N·m	1 74WS-15
16 mm	5-25 N·m	0.2 N·m	1 74WS-25
16 mm	10-50 N·m	0.5 N·m	1 74WS-50
16 mm	20-100 N·m	1 N·m	1 74WS-100
16 mm	40-200 N·m	2 N·m	1 74WS-200
16 mm	60-300 N·m	2 N·m	1 74WS-300

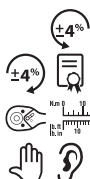
Mechanical Adjustable Torque Click Wrench with Marked Scale and Fixed Ratchet Head

**7455**

	Nm	Nm	
1/4 in	1-5 N·m	0.05 N·m	1 7455-5
1/4 in	3-15 N·m	0.1 N·m	1 7455-15
1/4 in	4-20 N·m	0.1 N·m	1 7455-20
1/4 in	5-25 N·m	0.1 N·m	1 7455-25
3/8 in	12-60 N·m	0.5 N·m	1 7455-60

	mm	Nm		
3/8 in	20-100 N·m	0.5 N·m	1	7455-100
1/2 in	20-100 N·m	0.5 N·m	1	7455-100A
1/2 in	40-200 N·m	2 N·m	1	7455-200
1/2 in	60-300 N·m	2 N·m	1	7455-300
1/2 in	68-340 N·m	2 N·m	1	7455-340
3/4 in	100-500 N·m	5 N·m	1	7455-500
3/4 in	160-800 N·m	5 N·m	1	7455-800
1 in	200-1000 N·m	10 N·m	1	7455-1000

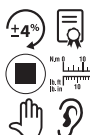
Mechanical Adjustable Torque Click Wrench with Marked Scale, Fixed Ratchet Head and 2 Section Handle



7455-1500

	mm	Nm		
1 in	300-1500 N·m	10 N·m	1	7455-1500

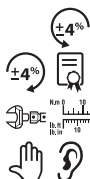
Mechanical Adjustable Torque Click Wrench with Marked Scale and Fixed Square Drive Head



7455-2500

	mm	Nm		
1 in	500-2500 N·m	10 N·m	1	7455-2500

Mechanical Adjustable Torque Click Wrench with Marked Scale and Interchangeable Head



7465

	mm	Nm		
9x12 mm	1-5 N·m	0.05 N·m	1	7465-5
9x12 mm	3-15 N·m	0.1 N·m	1	7465-15
9x12 mm	6-30 N·m	0.1 N·m	1	7465-30
9x12 mm	12-60 N·m	0.5 N·m	1	7465-60

	mm	Nm		
9x12 mm	20-100 N·m	0.5 N·m	1	7465-100
14x18 mm	40-200 N·m	2 N·m	1	7465-200
14x18 mm	68-340 N·m	2 N·m	1	7465-340
24x32 mm	160-800 N·m	5 N·m	1	7465-800

Mechanical Adjustable Torque Click Wrench with Marked Scale, Interchangeable Head and 2 Sections Handle



7465-1500

	mm	Nm		
27x36 mm	300-1500 N·m	10 N·m	1	7465-1500

Mechanical Adjustable Torque Click Wrench with Marked Scale and Flex Ratchet Head



7456

	mm	Nm		
3/8 in	10-80 lbf·ft	0.5 lbf·ft	1	7456-80LB

Mechanical Adjustable Free Hand Point Torque Click Wrench with Fixed Ratchet Head



75R3/75R1

	mm	Nm		
3/4" in	130-650 N·m	5 N·m	1	75R3-650
3/4" in	200-800 N·m	10 N·m	1	75R3-800
3/4" in	300-1000 N·m	10 N·m	1	75R3-1000
1" in	500-1500 N·m	10 N·m	1	75R1-1500



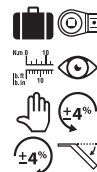
Mechanical Adjustable Free Hand Point Torque Click Wrench with Spigot Interchangeable Head



75S-650

22 mm	130-650 N·m	5 N·m	1	75S-650

Mechanical Adjustable Window Scale Breaking Torque Wrench with Fixed Ratchet Head



76R3

3/4-1 in	120-600 N·m	10 N·m	1	76R3-600
3/4-1 in	200-800 N·m	10 N·m	1	76R3-800
3/4-1 in	300-1000 N·m	20 N·m	1	76R3-1000

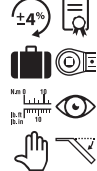
Mechanical Adjustable Breaking Torque Wrench with Fixed Ratchet Head



76R3-1500

3/4 in	700-1500 N·m	25 N·m	1	76R3-1500

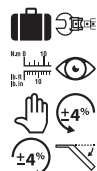
Mechanical Adjustable Breaking Torque Wrench with Fixed Ratchet Head and Double Adjusting Bar



76R1-2000

1 in	900-2000 N·m	50 N·m	1	76R1-2000

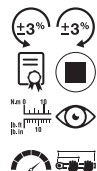
Mechanical Adjustable Window Scale Breaking Torque Click Wrench with Spigot Interchangeable Head



76S-600

22 mm	120-600 N·m	10 N·m	1	76S-600

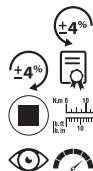
Mechanical Torque Wrench with Dial Scale, Fixed Square Drive Head & Metal Handle



7454 M

1/4 in	0.7-3.5 N·m	0.1 N·m	1	7454-3.5*
1/4 in	1.68-8.4 N·m	0.2 N·m	1	7454-8.4*
3/8 in	3.4-17 N·m	0.5 N·m	1	7454-17*
3/8 in	6.4-32 N·m	0.5 N·m	1	7454-32*
3/8 in	14-70 N·m	1 N·m	1	7454-70A*
1/2 in	28-140 N·m	5 N·m	1	7454-140A*
1/2 in	46-230 N·m	10 N·m	1	7454-230*
3/4 in	160-800 N·m	20 N·m	1	7454-800A*

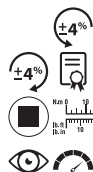
Mechanical Torque Wrench with Dial Scale, Fixed Square Drive Head and Metal Handle



7454-480/7454-800

3/4 in	100-480 N·m	10 N·m	1	7454-480*

Mechanical Torque Wrench with Dial Scale, Fixed Square Drive Head and 2 Sections Handle



7454-1400

1 in	275-1400 N·m	25 N·m	1	7454-1400*

Mechanical Torque Wrench with Dial Scale/LED and Fixed Square Drive Head



7454-800E

3/4 in	160-800 N·m	20 N·m	1	7454-800E*

Mechanical Torque Wrench with Dial Scale/LED and Fixed Square Drive Head and 2 Sections Handle



7454-1400E

1 in	275-1400 N·m	25 N·m	1	7454-1400E*

Mechanical Preset Torque Click Wrench with Fixed Ratchet Head



74PR-20

1/4 in	4-20 N·m	219 mm	1	74PR-20

Mechanical Preset Torque Click Wrench with Fixed Push-Through Ratchet Head



74PR-60/74PR-400

3/8 in	12-60 N·m	295 mm	1	74PR-60
1/2 in	12-60 N·m	301 mm	1	74PR-60A
3/8 in	20-100 N·m	335 mm	1	74PR-100
1/2 in	20-100 N·m	342 mm	1	74PR-100A
1/2 in	40-200 N·m	425 mm	1	74PR-200
1/2 in	60-300 N·m	668 mm	1	74PR-300
3/4 in	80-400 N·m	675 mm	1	74PR-400



Mechanical Preset Torque Click Wrench with Rectangular Interchangeable Head and Plastic Handle



74P9-20

mm	N·m	L		
9x12 mm	4-20 N·m	205 mm	1	74P9-20

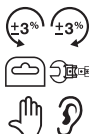
Mechanical Preset Torque Click Wrench with Rectangular Interchangeable Head and Rubber Handle



74PS-60/74PS-300

mm	N·m	L		
9x12 mm	12-60 N·m	286 mm	1	74PS-60
9x12 mm	20-100 N·m	326 mm	1	74PS-100
14x18 mm	40-200 N·m	403 mm	1	74PS-200
14x18 mm	60-300 N·m	534 mm	1	74PS-300
14x18 mm	80-400 N·m	652 mm	1	74PS-400

Mechanical Preset Torque Click Wrench with Spigot Interchangeable Head and Plastic Handle



74PS-20

mm	N·m	L		
16 mm	4-20 N·m	206 mm	1	74PS-20

Mechanical Preset Torque Click Wrench with Spigot Interchangeable Head and Rubber Handle



74PS-60/74PS-300

mm	N·m	L		
16 mm	12-60 N·m	283 mm	1	74PS-60
16 mm	20-100 N·m	324 mm	1	74PS-100
16 mm	40-200 N·m	405 mm	1	74PS-200
16 mm	60-300 N·m	643 mm	1	74PS-300

Mechanical Preset Free Hand Point Torque Click Wrench with Fixed Ratchet Head



75P3/75P1

mm	N·m	L		
3/4 in	130-650 N·m	848 mm	1	75P3-650
3/4 in	200-800 N·m	1030 mm	1	75P3-800
3/4 in	300-1000 N·m	1238 mm	1	75P3-1000
1 in	500-1500 N·m	1563 mm	1	75P1-1500

Mechanical Preset Free Hand Point Torque Click Wrench with Spigot Interchangeable Head



75PS-650

mm	N·m	L		
22 mm	130-650 N·m	800 mm	1	75PS-650

Handle Extension for 75 Series Torque Click Wrench



75EXT

700 mm	60 mm	1.600 kg	1	75EXT

TORQUE SCREWDRIVERS

Digital Torque and Angle Bluetooth® Screwdriver



TASMB14H

1/4 in	0.04-0.7 N·m	0.01 N·m	1
1/4 in	0.45-9 N·m	0.01 N·m	1

Accuracy: 20% to 100% of full scale

Digital Torque and Angle Screwdriver with Memory and USB



TASM14H

1/4 in	0.035-0.700 N·m	1	TASM14H007
1/4 in	0.45-9 N·m	1	TASM14H09

Electronic Torque and Angle Screwdriver



TAS14

1/4" in	0.04-0.7 N·m	1	TAS14H007
- in	1/4" in	1	TAS14S007
1/4" in	0.45-9 N·m	1	TAS14H09
	1/4" in	1	TAS14S09

Accuracy: 20% to 100% of full scale

Adjustable Torque Screwdriver with Window Scale



6973N-6978N

1/4 in	16-80 cNm	1 cNm	1
1/4 in	40-200 cNm	2 cNm	1
1/4 in	90-450 cNm	5 cNm	1

Adjustable Torque Mini Wrench with Fixed Screwdriver Bit



6852-5

1/4 in	1-5 N·m	0.1 N·m	1



Adjustable Torque Mini Wrench Set with Fixed Screwdriver Bit


6852-5/S17

32 x 70 x 200 mm	0.29 kg	1	6852-5/S17

6852-5	
6700SM-4	
59S/PH0, 59S/PH1	
59S/PZ0, 59S/PZ1	
59S/H1.5	
59S/0.8-5.5, 59S/0.6-4.5	
59S/T6, 59S/T7, 59S/T8	

Adjustable Torque Screwdriver with Marked Scale in cN·m


TSS120

1/4 in	10-120 cN·m	1 cN·m	1 TSS120

Adjustable Torque Screwdriver with Marked Scale in N·m


TSS600

1/4 in	1-6 N·m	0.1 N·m	1 TSS600

Preset Torque Screwdriver with 1/4" Hex Bit Holder


6873N-6880N

7-70 cN·m	1/4 in	1/4 in	1	6876N
15-170 cN·m	1/4 in	1/4 in	1	6878N
45-450 cN·m	1/4 in	1/4 in	1	6880N

Preset Torque Mini Wrench with Fixed Screwdriver Bit


6852P-5

1/4" in	1-5 N·m	157 mm	1 6852P-5

Fixed Preset ERGO™ Torque Screwdriver. With TORX® and TORX Plus® blades


BE-6990

0.6 N·m	T6	IP6	1 BE-6990-IP6
0.9 N·m	T7	IP7	1 BE-6990-IP7
1.2 N·m	T8	IP8	1 BE-6990-IP8
1.4 N·m	T9	IP9	1 BE-6990-IP9
2 N·m	T10	IP10	1 BE-6990-IP10
3 N·m	T15	IP15	1 BE-6990-IP15

Fixed Preset ERGO™ Torque Screwdriver Set



ergo®

**BE-6990-IPSET**

40 x 170 x 215 mm	0.755 kg	1	BE-6990-IPSET

BE-6990-IP7, BE-6990-IP8, BE-6990-IP9, BE-6990-IP15



Torque Screwdriver Blades with TORX® Tip

**BE-6990TX-KL**

T6	1.70 mm	160 mm	10	BE-6990TX-T6-KL
T7	1.99 mm	160 mm	10	BE-6990TX-T7-KL
T8	2.31 mm	160 mm	10	BE-6990TX-T8-KL
T9	2.50 mm	170 mm	10	BE-6990TX-T9-KL
T10	2.74 mm	170 mm	10	BE-6990TX-T10KL
T15	3.27 mm	170 mm	10	BE-6990TX-T15KL

Torque Screwdriver Blades with TORX PLUS® Tip

**BE-6990-IP-KL**

IP6	1.50 mm	170 mm	10	BE-6990-IP6-KL
IP7	1.99 mm	170 mm	10	BE-6990-IP7-KL
IP8	2.31 mm	170 mm	10	BE-6990-IP8-KL
IP9	2.50 mm	170 mm	10	BE-6990-IP9-KL
IP10	2.74 mm	170 mm	10	BE-6990-IP10-KL
IP15	3.27 mm	170 mm	10	BE-6990-IP15-KL

Spare blade for TORX® head screws

**BE-6990-IP20-KL**

IP20	4.5 mm	90 mm	10	BE-6990-IP20-KL

Spare blade for TORX® head screws

**BE-6990TX-T20KL**

T20	4.5 mm	92 mm	10	BE-6990TX-T20KL

MULTIPLIERS

Hand Torque Multiplier with Offset and Straight Reaction Arms

**89049TM-1000**

1000 Nm - 3/4 in	5:1	200 Nm - 1/2 in	1	89049TM-1000



Hand Torque Multiplier with Offset and Straight Reaction Arms

**8905-TM/9505-TM**

				
1300 Nm - 3/4 in	5:1	260 Nm - 1/2 in	1	8905-TM
2700 Nm - 1 in	5:1	540 Nm - 3/4 in	1	9505-TM

Hand Torque Multiplier with Reaction Plate

**9505**

				
3400 Nm - 1 in	5.2:1	680 Nm - 3/4 in	1	9505-3400

Hand Torque Multiplier with Reaction Plate and Ratcheting Locking System

**9525-9625**

				
3400 Nm - 1 in	27:1	125 Nm - 1/2 in	1	9525-3400
9500 Nm - 1.1/2 in	27:1	380 Nm - 3/4 in	1	9625-9500

Hand Torque Multiplier with Straight Reaction Arm

**95155B/9526B**

				
3000 Nm - 1 in	15.5:1	193 Nm - 1/2 in	1	95155B-3000
4500 Nm - 1 in	27:1	166 Nm - 1/2 in	1	9526B-4500

Compact Hand Torque Multiplier with Offset Reaction Arm

**89222CR/96255CR**

				
1000 Nm - 3/4 in	22.2:1	45 Nm - 1/2 in	1	89222CR-1000
2000 Nm - 1 in	27:1	74 Nm - 1/2 in	1	9527CR-2000
4000 Nm - 1 in	25:1	160 Nm - 1/2 in	1	9525CR-4000
7000 Nm - 1.1/2 in	25.5:1	274 Nm - 1/2 in	1	96255CR-7000

TORQUE TESTERS

Multifunctional Testers for torque screwdrivers and wrenches

**TEA003-TEA030**

				
0.1-3.0 N·m	1/4 in	0.01 N·m	1	TEA003
0.5-10 N·m	1/4 in	0.01 N·m	1	TEA010
1.5-30 N·m	10 mm	0.1 N·m	1	TEA030A

Joint Simulators for Torque Testing Equipment

**TJS**

				
3 N·m	1/4 in	31 mm	1	TJS003
10 N·m	1/4 in	31 mm	1	TJS010
30 N·m	1/4 in	31 mm	1	TJS030

Multifunctional tester for torque wrenches

**TEA065-TEA2100**

3-65 N·m	- mm	3/8 in	1	TEA065	
10-350 N·m	- mm	1/2 in	1	TEA350	
50-1100 N·m	27 mm	3/4 in	1	TEA1100	
200-2100 N·m	27 mm		1	TEA2100	

TORQUE ANGLE ADAPTORS

Electronic Torque and Angle Meter

**TAM**

1/4 in	1,5-30 N·m	1	TAM1430
3/8 in	6,8-135 N·m	1	TAM38135
1/2 in	6,8-135 N·m	1	TAM12135
1/2 in	10-200 N·m	1	TAM12200
1/2 in	17-340 N·m	1	TAM12340

Electronic Angle Meter

**MAM**

0-360°	56 mm	1	MAM50M	

Angle Meter with Magnet

**7851-M/8951-M**

1/2 in	0-360	490 mm	1	7851-M	
3/4 in	0-360	490 mm	1	8951-M	

Angle Meter with Clamp

**7851-G**

1/2 in	0-360	555 mm	1	7851-G	

INSERT TOOLS

Round Ratchet Head with Rectangular Connector

**9/14/24/27R**

1/4 in	9x12 mm	30 N·m	1	9R-1/4	
3/8 in	9x12 mm	135 N·m	1	9R-3/8	
1/2 in	9x12 mm	160 N·m	1	9R-1/2	
1/2 in	14x18 mm	340 N·m	1	14R-1/2	
3/4 in	14x18 mm	420 N·m	1	14R-3/4	
3/4 in	24x32 mm	1000 N·m	1	24R-3/4	
1 in	24x32 mm	1200 N·m	1	24R-1	
1 in	27x36 mm	2500 N·m	1	27R-1	



Push-Through Square Ratchet Head with Rectangular Connector

**9/14/24/27T**

1/4 in	9x12 mm	30 N·m	1	9T-1/4
3/8 in	9x12 mm	135 N·m	1	9T-3/8
1/2 in	9x12 mm	160 N·m	1	9T-1/2
1/2 in	14x18 mm	340 N·m	1	14T-1/2
3/4 in	14x18 mm	420 N·m	1	14T-3/4
3/4 in	24x32 mm	1000 N·m	1	24T-3/4
1 in	24x32 mm	1200 N·m	1	24T-1
1 in	27x36 mm	2500 N·m	1	27T-1

Fixed Square Head with Rectangular Connector

**9/14/24/27F**

1/4 in	9x12 mm	30 N·m	1	9F-1/4
3/8 in	9x12 mm	135 N·m	1	9F-3/8
1/2 in	9x12 mm	160 N·m	1	9F-1/2
1/2 in	14x18 mm	340 N·m	1	14F-1/2
3/4 in	14x18 mm	420 N·m	1	14F-3/4
3/4 in	24x32 mm	1000 N·m	1	24F-3/4
1 in	24x32 mm	1200 N·m	1	24F-1
1 in	27x36 mm	2500 N·m	1	27F-1

Pear Ratchet Head with Rectangular Connector

**9/14P**

1/4 in	9x12 mm	30 N·m	1	9P-1/4
3/8 in	9x12 mm	135 N·m	1	9P-3/8

BAHCO®

1/2 in	9x12 mm	160 N·m	1 9P-1/2
1/2 in	14x18 mm	340 N·m	1 14P-1/2

Pear Ratchet Head with Quick-Release and Rectangular Connector

**9/14Q**

1/4 in	9x12 mm	30 N·m	1	9Q-1/4
3/8 in	9x12 mm	135 N·m	1	9Q-3/8
1/2 in	9x12 mm	160 N·m	1	9Q-1/2
1/2 in	14x18 mm	340 N·m	1	14Q-1/2

Ratchet Head for Screwdriver Bits with Rectangular Connector

**9B**

1/4 in	9x12 mm	1 9B-1/4
5/16 in	9x12 mm	1 9B-5/16

Open-End Metric Wrench with Rectangular Connector

**9/14/24/277**

				
mm	mm	N·m		
7 mm	9x12 mm	9 N·m	1	97-7
8 mm	9x12 mm	13 N·m	1	97-8
9 mm	9x12 mm	18 N·m	1	97-9
10 mm	9x12 mm	24 N·m	1	97-10
11 mm	9x12 mm	32 N·m	1	97-11
12 mm	9x12 mm	41 N·m	1	97-12
13 mm	9x12 mm	51 N·m	1	97-13
14 mm	9x12 mm	63 N·m	1	97-14
15 mm	9x12 mm	77 N·m	1	97-15
16 mm	9x12 mm	92 N·m	1	97-16
17 mm	9x12 mm	109 N·m	1	97-17
18 mm	9x12 mm	125 N·m	1	97-18
19 mm	9x12 mm	145 N·m	1	97-19
21 mm	9x12 mm	160 N·m	1	97-21
22 mm	9x12 mm	160 N·m	1	97-22
24 mm	9x12 mm	160 N·m	1	97-24
27 mm	9x12 mm	160 N·m	1	97-27
30 mm	9x12 mm	160 N·m	1	97-30
32 mm	9x12 mm	160 N·m	1	97-32
13 mm	14x18 mm	51 N·m	1	147-13
14 mm	14x18 mm	63 N·m	1	147-14
15 mm	14x18 mm	77 N·m	1	147-15
16 mm	14x18 mm	92 N·m	1	147-16
17 mm	14x18 mm	109 N·m	1	147-17
18 mm	14x18 mm	125 N·m	1	147-18
19 mm	14x18 mm	145 N·m	1	147-19
21 mm	14x18 mm	190 N·m	1	147-21
22 mm	14x18 mm	220 N·m	1	147-22
24 mm	14x18 mm	280 N·m	1	147-24
25 mm	14x18 mm	320 N·m	1	147-25
27 mm	14x18 mm	360 N·m	1	147-27
30 mm	14x18 mm	360 N·m	1	147-30
32 mm	14x18 mm	360 N·m	1	147-32
33 mm	14x18 mm	360 N·m	1	147-33
34 mm	14x18 mm	360 N·m	1	147-34
35 mm	14x18 mm	360 N·m	1	147-35
36 mm	14x18 mm	360 N·m	1	147-36
37 mm	14x18 mm	360 N·m	1	147-37
38 mm	14x18 mm	360 N·m	1	147-38
39 mm	14x18 mm	360 N·m	1	147-39
41 mm	14x18 mm	360 N·m	1	147-41
45 mm	14x18 mm	360 N·m	1	147-45
46 mm	14x18 mm	360 N·m	1	147-46
50 mm	14x18 mm	360 N·m	1	147-50
55 mm	14x18 mm	360 N·m	1	147-55
60 mm	14x18 mm	360 N·m	1	147-60
65 mm	14x18 mm	360 N·m	1	147-65
68 mm	14x18 mm	360 N·m	1	147-68
70 mm	14x18 mm	360 N·m	1	147-70
75 mm	14x18 mm	360 N·m	1	147-75
90 mm	14x18 mm	360 N·m	1	147-90
24 mm	24x32 mm	1200 N·m	1	247-24
27 mm	24x32 mm	1200 N·m	1	247-27

				
mm	mm	N·m		
30 mm	24x32 mm	1200 N·m	1	247-30
32 mm	24x32 mm	1200 N·m	1	247-32
34 mm	24x32 mm	1200 N·m	1	247-34
36 mm	24x32 mm	1200 N·m	1	247-36
41 mm	24x32 mm	1200 N·m	1	247-41
46 mm	24x32 mm	1200 N·m	1	247-46
50 mm	24x32 mm	1200 N·m	1	247-50
55 mm	24x32 mm	1200 N·m	1	247-55
60 mm	24x32 mm	1200 N·m	1	247-60
30 mm	27x36 mm	3000 N·m	1	277-30
32 mm	27x36 mm	3000 N·m	1	277-32
34 mm	27x36 mm	3000 N·m	1	277-34
36 mm	27x36 mm	3000 N·m	1	277-36
41 mm	27x36 mm	3000 N·m	1	277-41
46 mm	27x36 mm	3000 N·m	1	277-46
50 mm	27x36 mm	3000 N·m	1	277-50
55 mm	27x36 mm	3000 N·m	1	277-55
60 mm	27x36 mm	3000 N·m	1	277-60

Open-End Imperial Wrench with Rectangular Connector

**9/14/24/277"**

				
in	mm	N·m		
1/4 in	9x12 mm	6 N·m	1	97-1/4
5/16 in	9x12 mm	13 N·m	1	97-5/16
3/8 in	9x12 mm	24 N·m	1	97-3/8
7/16 in	9x12 mm	32 N·m	1	97-7/16
1/2 in	9x12 mm	51 N·m	1	97-1/2
17/32 in	9x12 mm	63 N·m	1	97-17/32
9/16 in	9x12 mm	77 N·m	1	97-9/16
5/8 in	9x12 mm	92 N·m	1	97-5/8
11/16 in	9x12 mm	125 N·m	1	97-11/16
3/4 in	9x12 mm	145 N·m	1	97-3/4
13/16 in	9x12 mm	160 N·m	1	97-13/16
7/8 in	9x12 mm	160 N·m	1	97-7/8
15/16 in	9x12 mm	160 N·m	1	97-15/16
1 in	9x12 mm	160 N·m	1	97-1
7/16 in	14x18 mm	32 N·m	1	147-7/16
1/2 in	14x18 mm	51 N·m	1	147-1/2
9/16 in	14x18 mm	77 N·m	1	147-9/16
5/8 in	14x18 mm	92 N·m	1	147-5/8
11/16 in	14x18 mm	109 N·m	1	147-11/16
3/4 in	14x18 mm	145 N·m	1	147-3/4
13/16 in	14x18 mm	190 N·m	1	147-13/16
7/8 in	14x18 mm	220 N·m	1	147-7/8
15/16 in	14x18 mm	280 N·m	1	147-15/16
1 in	14x18 mm	360 N·m	1	147-1
1 1/8 in	14x18 mm	360 N·m	1	147-1.1/8
1 1/4 in	14x18 mm	360 N·m	1	147-1.1/4



Ring End Metric Wrench with Rectangular Connector



9/14/24/278

				
mm	mm	max		
7 mm	9x12 mm	25 N·m	1	98-7
8 mm	9x12 mm	34 N·m	1	98-8
9 mm	9x12 mm	45 N·m	1	98-9
10 mm	9x12 mm	58 N·m	1	98-10
11 mm	9x12 mm	47 N·m	1	98-11
12 mm	9x12 mm	89 N·m	1	98-12
13 mm	9x12 mm	105 N·m	1	98-13
14 mm	9x12 mm	125 N·m	1	98-14
15 mm	9x12 mm	145 N·m	1	98-15
16 mm	9x12 mm	160 N·m	1	98-16
17 mm	9x12 mm	160 N·m	1	98-17
18 mm	9x12 mm	160 N·m	1	98-18
19 mm	9x12 mm	160 N·m	1	98-19
21 mm	9x12 mm	160 N·m	1	98-21
22 mm	9x12 mm	160 N·m	1	98-22
13 mm	14x18 mm	105 N·m	1	148-13
14 mm	14x18 mm	125 N·m	1	148-14
15 mm	14x18 mm	150 N·m	1	148-15
16 mm	14x18 mm	175 N·m	1	148-16
17 mm	14x18 mm	200 N·m	1	148-17
18 mm	14x18 mm	230 N·m	1	148-18
19 mm	14x18 mm	260 N·m	1	148-19
21 mm	14x18 mm	330 N·m	1	148-21
22 mm	14x18 mm	360 N·m	1	148-22
24 mm	14x18 mm	360 N·m	1	148-24
27 mm	14x18 mm	360 N·m	1	148-27
28 mm	14x18 mm	360 N·m	1	148-28
30 mm	14x18 mm	360 N·m	1	148-30
32 mm	14x18 mm	360 N·m	1	148-32
34 mm	14x18 mm	360 N·m	1	148-34
36 mm	14x18 mm	360 N·m	1	148-36
41 mm	14x18 mm	360 N·m	1	148-41
24 mm	24x32 mm	1200 N·m	1	248-24
27 mm	24x32 mm	1200 N·m	1	248-27
30 mm	24x32 mm	1200 N·m	1	248-30
32 mm	24x32 mm	1200 N·m	1	248-32
34 mm	24x32 mm	1200 N·m	1	248-34
36 mm	24x32 mm	1200 N·m	1	248-36
41 mm	24x32 mm	1200 N·m	1	248-41
46 mm	24x32 mm	1200 N·m	1	248-46
50 mm	24x32 mm	1200 N·m	1	248-50
55 mm	24x32 mm	1200 N·m	1	248-55
60 mm	24x32 mm	1200 N·m	1	248-60
30 mm	27x36 mm	3000 N·m	1	278-30
32 mm	27x36 mm	1240 N·m	1	278-32
34 mm	27x36 mm	3000 N·m	1	278-34
36 mm	27x36 mm	3000 N·m	1	278-36
41 mm	27x36 mm	3000 N·m	1	278-41
46 mm	27x36 mm	3000 N·m	1	278-46
50 mm	27x36 mm	3000 N·m	1	278-50
55 mm	27x36 mm	3000 N·m	1	278-55
60 mm	27x36 mm	3000 N·m	1	278-60

Ring End Imperial Wrench with Rectangular Connector



9/14/24/278"

				
in	mm	max		
1/4 in	9x12 mm	25 N·m	1	98-1/4
5/16 in	9x12 mm	34 N·m	1	98-5/16
3/8 in	9x12 mm	58 N·m	1	98-3/8
7/16 in	9x12 mm	72 N·m	1	98-7/16
1/2 in	9x12 mm	105 N·m	1	98-1/2
9/16 in	9x12 mm	125 N·m	1	98-9/16
5/8 in	9x12 mm	160 N·m	1	98-5/8
11/16 in	9x12 mm	160 N·m	1	98-11/16
3/4 in	9x12 mm	57 N·m	1	98-3/4
13/16 in	14x18 mm	330 N·m	1	148-13/16
13/16 in	9x12 mm	160 N·m	1	98-13/16
7/8 in	9x12 mm	160 N·m	1	98-7/8
1/2 in	14x18 mm	105 N·m	1	148-1/2
9/16 in	14x18 mm	150 N·m	1	148-9/16
5/8 in	14x18 mm	175 N·m	1	148-5/8
11/16 in	14x18 mm	230 N·m	1	148-11/16
3/4 in	14x18 mm	260 N·m	1	148-3/4
15/16 in	14x18 mm	360 N·m	1	148-15/16
7/8 in	14x18 mm	360 N·m	1	148-7/8
1 in	14x18 mm	360 N·m	1	148-1

Flare Nut End Wrench with Rectangular Connector



99 in

				
in	mm	max		
3/8 in	9x12 mm	9 N·m	1	99-3/8
7/16 in	9x12 mm	16 N·m	1	99-7/16
1/2 in	9x12 mm	28 N·m	1	99-1/2
9/16 in	9x12 mm	31 N·m	1	99-9/16
5/8 in	9x12 mm	46 N·m	1	99-5/8
11/16 in	9x12 mm	65 N·m	1	99-11/16
3/4 in	9x12 mm	74 N·m	1	99-3/4

Flare Nut End Wrench with Rectangular Connector

**99**

				
mm	mm	max		
10 mm	9x12 mm	14 N·m	1	99-10
11 mm	9x12 mm	19 N·m	1	99-11
12 mm	9x12 mm	24 N·m	1	99-12
13 mm	9x12 mm	30 N·m	1	99-13
14 mm	9x12 mm	37 N·m	1	99-14
16 mm	9x12 mm	46 N·m	1	99-16
17 mm	9x12 mm	55 N·m	1	99-17
18 mm	9x12 mm	65 N·m	1	99-18
19 mm	9x12 mm	74 N·m	1	99-19
21 mm	9x12 mm	87 N·m	1	99-21
22 mm	9x12 mm	96 N·m	1	99-22
24 mm	9x12 mm	96 N·m	1	99-24

Increasing and Reducing Rectangular Connector Adaptors

**9/14/24/27A**

				
mm	mm	max		
9x12 mm	14x18 mm	160 N·m	1	9A-14
14x18 mm	9x12 mm	160 N·m	1	14A-9
14x18 mm	24x32 mm	360 N·m	1	14A-32
24x32 mm	14x18 mm	360 N·m	1	24A-14
24x32 mm	27x36 mm	1200 N·m	1	24A-27
27x36 mm	24x32 mm	1200 N·m	1	27A-24

Weld-On Adaptor with Rectangular Connector

**9/14/24W**

			
mm	L		
9x12 mm	23.8 mm	1	9W
14x18 mm	38 mm	1	14W
24x32 mm	65 mm	1	24W

Round Ratchet Head with Spigot Connector

**16R/22R**

				
	mm	max		
1/4" in	16 mm	20 N·m	1	16R-1/4
3/8" in	16 mm	160 N·m	1	16R-3/8
1/2" in	16 mm	420 N·m	1	16R-1/2
3/4" in	22 mm	1200 N·m	1	22R-3/4

Fixed Square Head with Spigot Connector

**16F/22F**

				
	mm	max		
1/4" in	16 mm	20 N·m	1	16F-1/4
3/8" in	16 mm	160 N·m	1	16F-3/8
1/2" in	16 mm	420 N·m	1	16F-1/2
3/4" in	22 mm	1200 N·m	1	22F-3/4



Open End Metric Wrench with Spigot Connector

**167/227**

				
mm	mm	max		
7 mm	16 mm	9 N·m	1	167-7
8 mm	16 mm	13 N·m	1	167-8
9 mm	16 mm	18 N·m	1	167-9
10 mm	16 mm	24 N·m	1	167-10
11 mm	16 mm	32 N·m	1	167-11
12 mm	16 mm	41 N·m	1	167-12
13 mm	16 mm	51 N·m	1	167-13
14 mm	16 mm	63 N·m	1	167-14
15 mm	16 mm	77 N·m	1	167-15
16 mm	16 mm	92 N·m	1	167-16
17 mm	16 mm	109 N·m	1	167-17
18 mm	16 mm	125 N·m	1	167-18
19 mm	16 mm	145 N·m	1	167-19
20 mm	16 mm	160 N·m	1	167-20
21 mm	16 mm	190 N·m	1	167-21
22 mm	16 mm	220 N·m	1	167-22
23 mm	16 mm	250 N·m	1	167-23
24 mm	16 mm	280 N·m	1	167-24
25 mm	16 mm	320 N·m	1	167-25
26 mm	16 mm	360 N·m	1	167-26
27 mm	16 mm	360 N·m	1	167-27
28 mm	16 mm	360 N·m	1	167-28
30 mm	16 mm	360 N·m	1	167-30
32 mm	16 mm	360 N·m	1	167-32
36 mm	16 mm	360 N·m	1	167-36
22 mm	22 mm	1200 N·m	1	227-22
24 mm	22 mm	1200 N·m	1	227-24
27 mm	22 mm	1200 N·m	1	227-27
30 mm	22 mm	1200 N·m	1	227-30
32 mm	22 mm	1200 N·m	1	227-32
34 mm	22 mm	1200 N·m	1	227-34
36 mm	22 mm	1200 N·m	1	227-36
41 mm	22 mm	1200 N·m	1	227-41
46 mm	22 mm	1200 N·m	1	227-46

Open-End Imperial Wrench with Spigot Connector

**167**

				
in	mm	max		
5/16 in	16 mm	34 N·m	1	167-5/16
3/8 in	16 mm	45 N·m	1	167-3/8
7/16 in	16 mm	72 N·m	1	167-7/16
1/2 in	16 mm	51 N·m	1	167-1/2
9/16 in	16 mm	77 N·m	1	167-9/16
5/8 in	16 mm	92 N·m	1	167-5/8
11/16 in	16 mm	109 N·m	1	167-11/16
3/4 in	16 mm	145 N·m	1	167-3/4
13/16 in	16 mm	190 N·m	1	167-13/16
7/8 in	16 mm	220 N·m	1	167-7/8
15/16 in	16 mm	280 N·m	1	167-15/16
1 in	16 mm	360 N·m	1	167-1
1.1/16 in	16 mm	360 N·m	1	167-1.1/16
1.1/8 in	16 mm	360 N·m	1	167-1.1/8
1.3/16 in	16 mm	360 N·m	1	167-1.3/16
1.1/4 in	16 mm	360 N·m	1	167-1.1/4

Ring End Metric Wrench with Spigot Connector

**168/228**

				
mm	mm	max		
7 mm	16 mm	25 N·m	1	168-7
8 mm	16 mm	34 N·m	1	168-8
9 mm	16 mm	45 N·m	1	168-9
10 mm	16 mm	58 N·m	1	168-10
11 mm	16 mm	72 N·m	1	168-11

				
mm	mm	max		
12 mm	16 mm	89 N·m	1	168-12
13 mm	16 mm	105 N·m	1	168-13
14 mm	16 mm	125 N·m	1	168-14
15 mm	16 mm	150 N·m	1	168-15
16 mm	16 mm	175 N·m	1	168-16
17 mm	16 mm	200 N·m	1	168-17
18 mm	16 mm	230 N·m	1	168-18
19 mm	16 mm	260 N·m	1	168-19
20 mm	16 mm	290 N·m	1	168-20
21 mm	16 mm	330 N·m	1	168-21
22 mm	16 mm	360 N·m	1	168-22
23 mm	16 mm	360 N·m	1	168-23
24 mm	16 mm	360 N·m	1	168-24
26 mm	16 mm	360 N·m	1	168-26
27 mm	16 mm	360 N·m	1	168-27
22 mm	22 mm	1200 N·m	1	228-22
24 mm	22 mm	1200 N·m	1	228-24
27 mm	22 mm	1200 N·m	1	228-27
30 mm	22 mm	1200 N·m	1	228-30
32 mm	22 mm	1200 N·m	1	228-32
34 mm	22 mm	1200 N·m	1	228-34
36 mm	22 mm	1200 N·m	1	228-36
41 mm	22 mm	1200 N·m	1	228-41
46 mm	22 mm	1200 N·m	1	228-46

Ring End Imperial Wrench with Spigot Connector



168

				
in	mm	max		
5/16 in	16 mm	34 N·m	1	168-5/16
3/8 in	16 mm	58 N·m	1	168-3/8
7/16 in	16 mm	89 N·m	1	168-7/16
1/2 in	16 mm	105 N·m	1	168-1/2
9/16 in	16 mm	125 N·m	1	168-9/16
5/8 in	16 mm	125 N·m	1	168-5/8
11/16 in	16 mm	125 N·m	1	168-11/16
3/4 in	16 mm	260 N·m	1	168-3/4
13/16 in	16 mm	290 N·m	1	168-13/16
7/8 in	16 mm	360 N·m	1	168-7/8
15/16 in	16 mm	360 N·m	1	168-15/16
1 in	16 mm	360 N·m	1	168-1
1.1/16 in	16 mm	360 N·m	1	168-1.1/16
1.3/16 in	16 mm	360 N·m	1	168-1.3/16

Flare Nut End Metric Wrench with Spigot Connector



169

				
mm	mm	max		
7 mm	16 mm	6 N·m	1	169-7
8 mm	16 mm	8 N·m	1	169-8
9 mm	16 mm	10 N·m	1	169-9
10 mm	16 mm	12 N·m	1	169-10
11 mm	16 mm	16 N·m	1	169-11
12 mm	16 mm	16 N·m	1	169-12
13 mm	16 mm	28 N·m	1	169-13
14 mm	16 mm	31 N·m	1	169-14
15 mm	16 mm	38 N·m	1	169-15
16 mm	16 mm	46 N·m	1	169-16
17 mm	16 mm	53 N·m	1	169-17
18 mm	16 mm	65 N·m	1	169-18
19 mm	16 mm	74 N·m	1	169-19
20 mm	16 mm	86 N·m	1	169-20
21 mm	16 mm	100 N·m	1	169-21
22 mm	16 mm	115 N·m	1	169-22
23 mm	16 mm	125 N·m	1	169-23
24 mm	16 mm	145 N·m	1	169-24
27 mm	16 mm	160 N·m	1	169-27

EMPTY SET CASES FOR TORQUE TOOLS

Double Wall Shock Absorbing Empty Cases for Torque Tools



4750BMCT

		
kg		
0.95 kg	1	4750BMCT1







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