

Hand Tools



- Combination and ring wrenches
- Ratchet wrenches
- Hook wrenches
- Socket wrenches

50

50.3 – 50.36



- Insert tools and socket accessories
- Power screwdrivers for plug and drive tools
- Pin wrenches
- Screw extractors

51

51.1 – 51.76



- Screwdrivers
- Bits and operating tools
- Impact screwdrivers

52

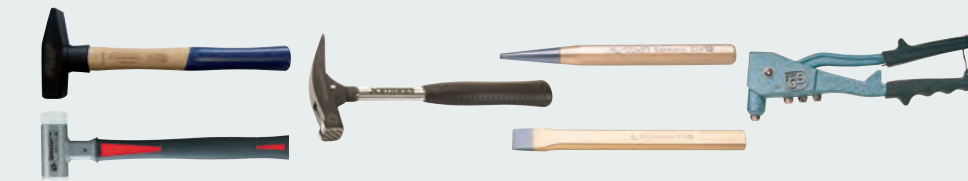
52.1 – 52.54



- Bar clamps
- Hand vices
- Bench vices
- Vice height adjustment units
- Jaw caps

53

53.1 – 53.12



- Hammers • Double face blacksmith's hammers
- Centre punches
- Drift punches
- Drive pin punches
- Chisels
- Blind riveting tools

54

54.1 – 54.22



- Torque
- Screwdrivers
- Wrench
- Multiplier
- Plug tools
- Test equipment
- Calibration units

55

55.1 – 55.34



- Holding tongs
- Circlip pliers
- Waterpump pliers
- Pipe tongs
- Welder's gripping pliers
- Locking pliers

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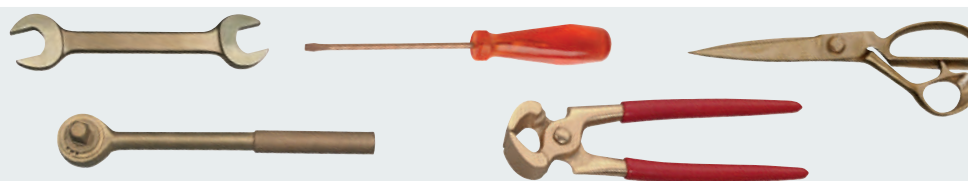
56.1 – 56.28



- Pincers
- Rabbit pincers
- End cutting nippers
- Centre cutting nippers
- Diagonal cutting pliers
- Bolt cutters

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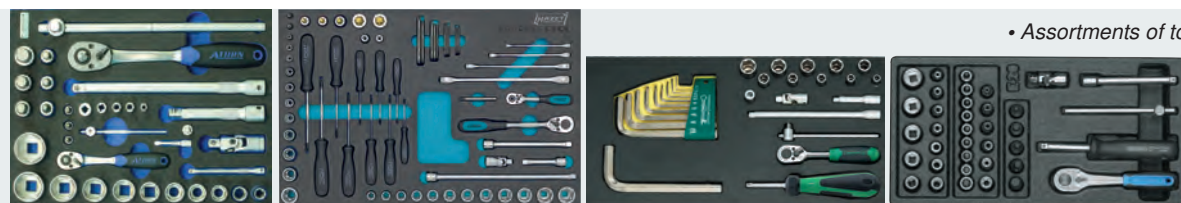
57.1 – 57.10



- Safety programme Non-sparking tools

58

58.1 – 58.4



- Assortments of tools

59

59.1 – 59.36

**Our suppliers
for HAND TOOLS**

ATORN®

HHW

ALARM

AMF 

BAHCO

BESSEY
Einfach besser.

BILZ

BROCKHAUS][HEUER
GmbH

carolus 

dako 

FACOM

felo

GEDORE 

GESIPA®

HALDER
NORM+TECHNIK

HAZET®

KANON

KNIPEX

LEINEN

METRINCH®

m•b
PEDDINGHAUS

RIDGID Peddinghaus

schröder

STAHLWILLE® 

VBW 

Wera
Werkzeug aus Ideen

wiha 
Tools that work for you



Info

The new generation of wrenches

Open-end, ring and socket wrenches have a profile that increases the force application surfaces on the bolt heads. The forces applied are transferred to the flanks of the bolt heads and nuts. Maximum load distribution is ensured and damage to the tool and workpiece is largely avoided. Even old and worn bolts can be screwed in with the new profiles

- ▶ Also fits on bolts that are outside the tolerance range
- ▶ Gentle on bolt heads - no edge squeezing thanks to force application on the surface
- ▶ Highest force transmission thanks to larger contact area
- ▶ Loosens even damaged bolt heads

- ATORN®** Energy profile
- BAHCO** Dynamic-Drive profile
- FACOM** OGV® profile
- GEDORE** UnitDrive profile
- HAZET** Traction profile
- STAHLWILLE** Anti-slip-drive profile
- Metrinch®** Metrinch wall drive profile



50004 - 50008

Adjustable wrenches DIN 3117

50004

ATORN®

Type

Ergonomically shaped comfort handle, very large clamping range. Smooth, ground jaws. Practical hanging hole in the handle. Polished head and with metric adjustment scale.

Quality

Chrome-vanadium steel forged.

50005

ATORN®

Type

Angled head 22°, right-hand. Nickel-plated and chrome-plated, highly polished.

Quality

Chrome alloy steel.

50006

H+W

Type

Angled head 22°, right-hand, with measuring scale and plastic handle. Nickel-plated and chrome-plated, highly polished.

Quality

Chrome-vanadium steel.

50008 101-104

BAHCO

Type

Angled head 15°. Doubles as a pipe wrench by adjusting the movable, serrated jaw towards the inside. With measuring scale in mm and ergonomic handle made of thermoplastic elastomer. Chrome-plated, hardened, corrosion-proof.

50008 105-106

BAHCO

Type

Angled head 15°. **40% larger jaw opening** compared to conventional adjustable wrenches of the comparable sizes. Low weight, slim head and hardened jaws. With measuring scale in mm and ergonomic handle made of thermoplastic elastomer. Chrome-plated, precision-hardened, corrosion-proof.



ATORN®		
Length mm	Clamping width mm	50004 ...
150	24.0	201 NEW
200	29.0	202 NEW
250	33.0	203 NEW

ATORN®		
Length mm	Clamping width mm	50005 ...
110	13.0	201
162	20.0	202
211	24.0	203
260	29.0	204
310	34.0	205

H+W		
Length mm	Clamping width mm	50006 ...
110	13.0	101
150	19.5	102
200	24.5	103
250	29.0	104
300	34.0	105

BAHCO		
Length mm	Clamping width mm	50008 ...
158	21.0	101
208	28.0	102
257	33.0	103
308	35.0	104
170	32.0	105
218	38.0	106

50101

Single-head open-ended wrench DIN 894

Type

Sectional shank, angled head 15°, burnished.

Quality

Special steel.



AF mm	Length approx. mm	50101 ...
6	75	301
7	80	302
8	95	303
9	100	304
10	105	305
11	115	306
12	125	307
13	135	308
14	140	309

AF mm	Length approx. mm	50101 ...
15	145	310
16	145	311
17	151	312
18	151	313
19	170	314
21	195	315
22	195	316
24	215	317
27	240	318

AF mm	Length approx. mm	50101 ...
30	260	319
32	275	320
34	275	321
36	305	322
41	340	323
46	380	324
50	410	325
55	440	326
60	477	327

AF mm	Length approx. mm	50101 ...
65	510	328
70	575	329
75	610	330
80	650	331
85	695	332
90	695	333
95	845	334
100	850	# 335

Double open-end wrenches

50102

Double open-end wrench DIN 895

Type
Sectional shank, angled head 15°, burnished.

Quality
Special steel.

50102



AF mm	Length approx. mm	50102	...	AF mm	Length approx. mm	50102	...	AF mm	Length approx. mm	50102	...	AF mm	Length approx. mm	50102	...
6 x 7	95	101		13 x 15	150	117		20 x 22	195	#	130	41 x 46	390	147	
7 x 8	110	102		13 x 17	155	119		22 x 24	220	133		46 x 50	420	148	
8 x 9	110	104		14 x 17	160	121		24 x 27	245	136		50 x 55	440	149	
8 x 10	115	105		16 x 17	160	122		24 x 30	265	137		55 x 60	480	150	
10 x 11	125	108		16 x 18	160	123		27 x 32	270	140		65 x 70	580	151	
10 x 13	115	110		17 x 19	170	124		30 x 32	275	141		75 x 80	665	152	
12 x 13	140	114		18 x 19	170	#	126	30 x 36	305	143					
12 x 14	140	115		19 x 22	195	128		34 x 36	305	145					
13 x 14	145	116		19 x 24	215	129		36 x 41	345	146					

50105

Double open-end wrench sets DIN 3110, ISO 10102

Type
Angled head 15°, chrome-plated. In cardboard box.

Quality
Chrome-vanadium steel.

50105



Set contents	AF mm	Type	50105	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box	101	
10-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box	103	
11-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 30 x 32	in cardboard box	104	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 10 x 13 / 12 x 13 / 14 x 15 / 16 x 17 / 17 x 19 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box	105	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in cardboard box	106	

50106

Double open-end wrench sets DIN 3110, ISO 10102

ATORN®

Quality
Chrome-vanadium steel.

50106

Type
Angled head 15°, chrome-plated, with flat heads.



Set contents	AF mm	Type	50106	...
7-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19	in cardboard box	101	
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box	099	
9-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23	in cardboard box	102	
10-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box	100	
11-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 30 x 32	in cardboard box	103	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 10 x 13 / 12 x 13 / 14 x 15 / 16 x 17 / 17 x 19 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box	105	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in cardboard box	104	

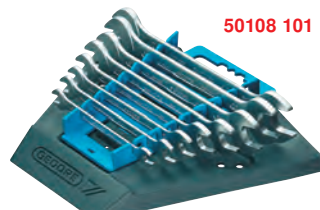
50108

Double open-end wrench sets DIN 3110, ISO 10102

GEDORE

Type
Angled head 15°, chrome-plated, with flat, finely ground heads.

Quality
Vanadium 31 CrV3.



50108 101



50108 102

Set contents	AF mm/inch	Type	50108	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box	100	
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in a holder	101	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in a holder	102	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in cardboard box	103	
Inch / 8-piece	1/4 x 5/16 / 5/16 x 3/8 / 7/16 x 1/2 / 9/16 x 5/8 / 19/32 x 11/16 / 3/4 x 25/32 / 13/16 x 7/8 / 15/16 x 1	in cardboard box	104	

50110

Double open-end wrench sets DIN 3110, ISO 10102



50110 100

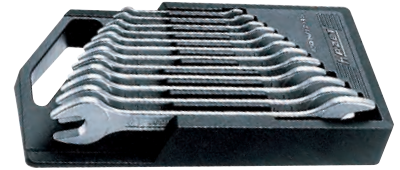
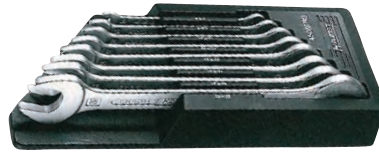
50110 106

Type

Angled head 15°, chrome-plated, slim design.

Quality

Chrome-vanadium steel.



	Set contents AF mm	50110	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 21 x 22 in plastic tool holder	100	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 26 / 25 x 28 / 27 x 32 in cardboard box	105	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32 in plastic tool holder	106	

50112

Double open-end wrench sets ISO 691, ISO 1085, ISO 10102



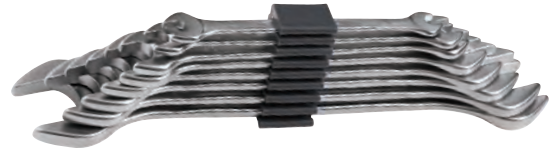
Quality

Vanadium extra.

50112

Type

Angled head 15°, chrome-plated micro-matt version with high-value surface, U-shaped shaft, extremely compact heads.



	Set contents AF mm	Type	50112	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in a holder	101	
10-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in a holder	102	
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in a holder	103	

When you think laterally ...



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... new ideas arise.

ATORN®

Performance requires quality



Good
tools
are a
matter of
trust!



Two strong partners

Hommel Hercules
Werkzeughandel



Type
Angled head 15°, chrome-plated, with flat heads, slim design.

Quality
Chrome-vanadium steel.



Type
- Open-end precisely ground to an exact nominal dimension for optimum contact surfaces
- Secure handle thanks to slim sectional shank
- Hot forged in forging die
- Non-glare look thanks to matt chrome plating
- High bending strength: Does not crack or splinter when overloaded and minimises the risk of injury
- Overload is indicated by deformation

Quality
GEDORE vanadium steel CrV3.



Type
Extreme load capacity thanks to double-T profile. Chrome-plated on top of nickel. Anti-slip surface.

Quality
Chrome alloy steel.



Type
Slim heads, shank with extra stable double-T profile.



Type
Chrome-plated micro-matt version with high-quality surface, U-shaped shank, extremely compact heads.



Hand Tools

	ATORN®		GEDORE		STAHLWILLE		HAZET		BAHCO			
AF mm	50113	...	50114	...	50115	...	50116	...	50117	...	50118	...
4 x 5					101		101		401		401	
5 x 5.5					102				402			403
5.5 x 7					103		103					404
6 x 7	204		104		104		104		404			405
7 x 8					105		105					406
8 x 9	206		106		106		106		406			407
8 x 10	207		107		107		107		407			408
10 x 11	208		108		108		108		408			409
10 x 13	209		109		109		109		409			411
11 x 13	210	#	110	#	110	#	110					
12 x 13	211		111		111		111		411			413
12 x 14	212		112		112	#	112			#		414
13 x 14	213				113		113					415
13 x 15	214		114		114		114					416
13 x 16					115							
13 x 17	216		116		116		116		416			418
14 x 15	217		117		117		117		417			419
14 x 17	218	#	118		118	#	118			#		420
16 x 17	219		119		119		119		419	#		421
16 x 18	220		120		120		120		420	#		422
17 x 19	221		121		121		121		421			423
18 x 19	222		122		122		122		422			424
18 x 21					123	#	123					
19 x 22	224		124		124		124					426
19 x 24	225		125		125							427
20 x 22	226		126		126		126		426	#		428
21 x 22									427			
21 x 23	228		128		128		128		428			429
21 x 24				#	129							
22 x 24	230		130		130		130		430			431
24 x 26	231	#	131		131		131		431			
24 x 27	232		132		132		132		432			433
24 x 30					133							434
25 x 28	235		135		135	#	135	#	435	#		435
27 x 30	236	#	136		136		136			#		436
27 x 32	237		137		137		137		437	#		437
30 x 32	238		138		138		138		438			438
30 x 34					139							
30 x 36	241				141							
32 x 36	242	#	142		142		142		442			441
34 x 36					143		143		443			
36 x 41	244		144		144		144		444			443
41 x 46	245		145		145		145		445			445
46 x 50					146				446			446



50119 Double open-end wrench DIN 3110, ISO 10102 (inch)



Type
Imperial sizes, angled head 15°, chrome-plated, with flat, finely ground heads.

Quality
Vanadium 31CrV 3.

50119



AF inch	Length approx. mm	50119	...
1/4 x 5/16	122	101	
5/16 x 3/8	140	102	
3/8 x 7/16	157	103	
7/16 x 1/2	172	104	
1/2 x 9/16	190	105	

AF inch	Length approx. mm	50119	...
9/16 x 5/8	190	106	
19/32 x 11/16	205	# 107	
5/8 x 11/16	205	108	
5/8 x 3/4	222	109	
11/16 x 3/4	222	110	

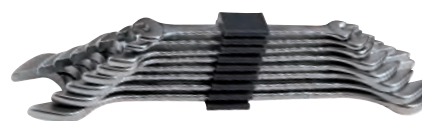
AF inch	Length approx. mm	50119	...
7/8 x 15/16	250	112	
15/16 x 1	266	113	
1 x 1.1/8	280	114	
1.1/16 x 1.1/4	302	115	
1.5/16 x 1.1/2	328	116	

50125 Double open-end wrench ISO 691, ISO 1085, ISO 10102 (inch)



Type
Imperial sizes, angled head 15°, chrome-plated micro-matt version with high-quality surface, with extremely flat heads.

50125 101



Set contents	Type	50125	...
8-piece AF inch 1/4 x 5/16 / 5/16 x 11/32 / 3/8 x 7/16 / 1/2 x 9/16 / 19/32 x 11/16 / 5/8 x 3/4 / 13/16 x 7/8 / 15/16 x 1	in plastic clip	101	

AF inch	Length mm	Head thickness mm	50125	...
1/4 x 5/16	130	3.4	201	
5/16 x 11/32	140	3.7	# 202	
3/8 x 7/16	157	4.0	203	
7/16 x 1/2	172	4.3	204	
1/2 x 9/16	180	4.5	205	

AF inch	Length mm	Head thickness mm	50125	...
9/16 x 5/8	190	5.0	206	
19/32 x 11/16	205	5.3	207	
5/8 x 3/4	205	5.8	208	
3/4 x 7/8	236	6.3	210	
25/32 x 13/16	236	6.3	211	

AF inch	Length mm	Head thickness mm	50125	...
7/8 x 15/16	266	7.4	213	
15/16 x 1	266	7.4	214	
1 x 1.1/8	280	8.0	215	
1.1/16 x 1.1/4	300	8.6	# 216	
1.1/4 x 1.3/8	345	10.0	217	



50125 201-217

50134 - 50135 Small double open-end wrenches



Type
Angled head 15° and 75°, chrome-plated, with flat, finely ground heads.

Quality
Vanadium 34 CrMo 4.

50134



Set contents	Type	50134	...
10-piece AF mm 5 / 5.5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13	in plastic bag	101	

AF inch	Length mm	Head thickness mm	50135	...
4 x 4	70	1.8	101	
4.5 x 4.5	70	1.8	102	
5 x 5	78	1.8	103	
5.5 x 5.5	78	1.8	104	
6 x 6	78	1.8	105	

AF inch	Length mm	Head thickness mm	50135	...
7 x 7	91	1.8	106	
8 x 8	96	2.8	107	
9 x 9	103	2.8	# 108	
10 x 10	105	2.8	109	
11 x 11	116	2.8	110	

AF inch	Length mm	Head thickness mm	50135	...
12 x 12	116	2.8	# 111	
13 x 13	131	2.8	112	
14 x 14	131	2.8	113	



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Performance requires quality.

For example, with the video measurement microscope from ATORN.

- Universal implementation possibilities
- With motorised zoom lens 0.7x to 4.5x
- Intuitive software operation via touch screen PC



50150

Pronged wrenches



Type

Angled combination wrench, chrome-plated.

Use

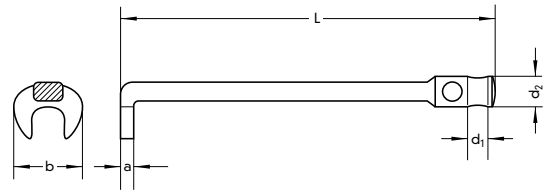
For working in hard-to-reach places.

Quality

Vanadium 31CrV 3.

Note:

Straight shafts (tommy bars) see cat. no. 50749 - 50750.



AF mm	L mm	a mm	b mm	d1 mm	d2 mm	straight shaft (tommy bar) Ø mm	50150	...
13	160	5.5	28	8.5	14	8		101
14	160	5.5	28	8.5	14	8		102
17	200	6.0	33	10.5	17	10		103
19	200	7.0	37	12.5	20	12		104
22	200	8.0	42	12.5	20	12		105
24	250	9.0	46	14.5	24	14		106
27	250	10.0	52	14.5	24	14		107
30	250	11.0	57	16.5	28	16		108
32	250	12.0	61	16.5	28	16		109
36	315	13.0	68	19.0	31	18		110
41	315	14.0	76	19.0	31	18	#	111



Hand Tools

50170

Open-ended slugging wrench DIN 133



Use

For heavy-duty applications.

Quality

Tempering steel.

50170



AF mm	Length approx. mm	Head thickness mm	50170	...
27	180	16.5	#	201
30	190	17.0		202
32	195	17.5		203
34	195	17.5		204
36	210	18.5		205

AF mm	Length approx. mm	Head thickness mm	50170	...
41	225	19.5		206
46	255	20.0		207
50	280	21.5		208
55	315	24.5		209
60	320	24.5		210

AF mm	Length approx. mm	Head thickness mm	50170	...
65	350	28.0		211
70	370	30.0	#	212
75	400	31.5	#	213
80	405	34.5	#	214
85	405	34.5	#	215

LARGE SELECTION – SIMPLE SEARCH

To help you find your products faster, our entire product range has been divided into two separate catalogues and subdivided into clearly described product groups.

Always remember! CATALOGUE VOLUME [1]

The specialist catalogue for machining and clamping technology.

Experience our extensive product range of quality tools from ATORN.

ATORN® Performance requires quality

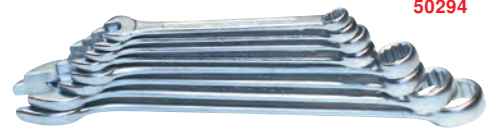


Combination wrench

50294

Combination wrench sets DIN 3113 A, ISO 7738 A

Type
Ring end 15° angled, chrome-plated.
Quality
Chrome-vanadium steel.



50294

Set contents AF mm	Type	50294	...
8-piece 8 / 9 / 10 / 11 / 13 / 14 / 17 / 19	in cardboard box		101
12-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 17 / 19 / 22	in cardboard box		103
12-piece 10 / 11 / 12 / 13 / 14 / 17 / 19 / 22 / 24 / 27 / 30 / 32	in cardboard box		104
17-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22	in cardboard box		105
17-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 22 / 24	in cardboard box		106

50295

Combination wrench sets DIN 3113 A, ISO 7738 A

ATORN®

Type
Ring end with energy profile and 15° angled,
slim and thin-walled, chrome-plated.
Quality
Chrome-vanadium steel.



50295

Set contents AF mm	Type	50295	...
8-piece 8 / 9 / 10 / 11 / 13 / 14 / 17 / 19	in cardboard box		100
11-piece 6 / 7 / 8 / 10 / 11 / 13 / 14 / 16 / 17 / 18 / 19	in cardboard box		101
12-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 17 / 19 / 22	in cardboard box		104
12-piece 10 / 11 / 12 / 13 / 14 / 17 / 19 / 22 / 24 / 27 / 30 / 32	in cardboard box		105
17-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22	in cardboard box		102
17-piece 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 22 / 24	in cardboard box		103

50298

Combination wrench sets DIN 3113 A, ISO 7738 A

STAHLWILLE®

Type
Ring end with AS-drive profile and 15° angled,
extreme load capacity thanks to double-T profile.
Chrome-plated on top of nickel. Anti-slip surface.
Quality
Chrome alloy steel.



50298

Set contents AF mm	Type	50298	...
6-piece 7 / 8 / 10 / 13 / 17 / 19	in tool holder		101
16-piece 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 21 / 22 / 24	in cardboard box		107

50300

Combination wrench sets DIN 3113 A, ISO 7738 A

HAZET®

Type
Ring end 15° angled, with traction profile,
chrome-plated, heads polished, slim and thin-walled.
Quality
Chrome-vanadium steel.



50300

Set contents AF mm	Type	50300	...
12-piece 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 21 / 22	in cardboard box		102
17-piece 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 21 / 22 / 24 / 27	in cardboard box		103

50302

Combination wrench sets DIN 3113 A, ISO 7738 A, ISO 3318



DYNAMIC-DRIVE™



Type

Ring end with Dynamic-Drive profile and 15° angled head. Chrome-plated micro-matt version with high-quality surface.

50302 197

Type

In practical black plastic wall mount with carrying handle and locking device.

50302 197



50302 201-202



	Set contents AF mm	Type	50302	...
12-piece	8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19	in plastic wall mount	197	
17-piece	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22	in plastic bag	201	
26-piece	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30 / 32	in plastic bag	202	

50296

Combination wrench sets DIN 3113 B, ISO 7738 B



50296



Type

Ring end with energy profile, 10° angled and offset, slim and thin-walled, chrome-plated.

Quality

Chrome-vanadium steel.



	Set contents AF mm	Type	50296	...
8-piece	8 / 9 / 10 / 11 / 13 / 14 / 17 / 19	in cardboard box	101	
12-piece	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 17 / 19 / 22	in cardboard box	102	
12-piece	10 / 11 / 12 / 13 / 14 / 17 / 19 / 22 / 24 / 27 / 30 / 32	in cardboard box	103	

50297

Combination wrench sets DIN 3113 B, ISO 7738 B



50297

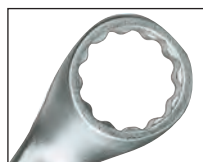


Type

Ring end with UD profile, 10° angled and offset, slim and thin-walled, chrome-plated, rings polished.

Quality

Vanadium 31CrV 3.



	Set contents AF mm	Type	50297	...
8-piece	8 / 9 / 10 / 11 / 13 / 14 / 17 / 19	in cardboard box	100	
8-piece	10 / 12 / 13 / 14 / 17 / 19 / 22 / 24	in cardboard box	101	
17-piece	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22	in cardboard box	102	
26-piece	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30 / 32	in cardboard box	111	

50299

Combination wrench sets DIN 3113 B, ISO 7738 B



50299



Type

Ring end with double hexagon, 10° angled and offset, slim and thin-walled, polished heads, chrome-plated.

Quality

Chrome-vanadium steel.

NEW



	Set contents AF mm	Type	50299	...
17-piece	7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 21 / 22 / 24 / 27	in cardboard box	201	



Combination wrench

50304 - 50311

Combination wrenches DIN 3113 A/B, ISO 7738 A/B

Type
Chrome-plated, slim and thin-walled.
Quality
Chrome-vanadium steel.

50304
Type
Ring end 15° angled.

50306
ATORN®

Type
Ring end with energy profile, 10° angled and offset.

50305
ATORN®

Type
Ring end with energy profile and 15° angled and offset.

50307
GEDORE

Type
Ring end with UD profile, 10° angled and offset.
Quality
Vanadium 31CrV 3.

50308
STAHLWILLE

Type
Ring end with AS-Drive profile and 15° angled, extreme load capacity thanks to double-T profile. Chrome-plated on top of nickel. Anti-slip surface.
Quality
Chrome alloy steel.

50309
HAZET

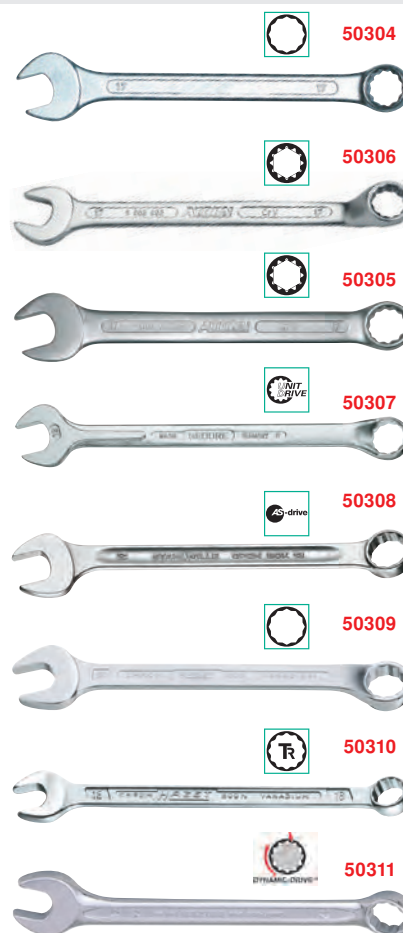
Type
Short, ring end 10° angled and offset.

50310
HAZET

Type
Long, ring end 15° angled, slim, with traction profile. Shank with extra stable double-T profile.

50311
BARCO

Type
Ring end with Dynamic-Drive profile, 15° angled head. Chrome-plated micro-matt version with high-quality surface.



AF mm	50304	...	50306	...	50305	...	50307	...	50308	...	50309	...	50310	...	50311	...
5.5 x 5.5											100		400		101	401
6 x 6		101		101		201		101		101		401		102		402
7 x 7		102		102		202		102		102		402		103		403
8 x 8		103		103		203		103		103		403		104		404
9 x 9		104		104		204		104		104		404		105		405
10 x 10		105		105		205		105		105		405		106		406
11 x 11		106		106		206		106		106		406		107		407
12 x 12		107		107		207		107		107		407		108		408
13 x 13		108		108		208		108		108		408		109		409
14 x 14		109		109		209		109		109		409		110		410
15 x 15		110		110		210		110		110		410		111		411
16 x 16		111		111		211		111		111		411		112		412
17 x 17		112		112		212		112		112		412		113		413
18 x 18		113		113		213		113		113		413		114		414
19 x 19		114		114		214		114		114		414		115		415
20 x 20		115		115		215		115		115		415		116	#	416
21 x 21		116		116		216		116		116		416		117	#	417
22 x 22		117		117		217		117		117		417		118		418
23 x 23											118			119		421
24 x 24		118		118		218		118		119		418		120		419
25 x 25										120				121		422
26 x 26														122		429
27 x 27		119		119		219		119		122		419		123		420
28 x 28														124		430
29 x 29														125		431
30 x 30		120		120		220		120		125		420		126		423
32 x 32		121		121		221		121		126		421		127		424
34 x 34								122		128				128		425
36 x 36				122				123		130				129		426
41 x 41								124		132				130		427
46 x 46								125		133				131		428

50314 - 50315

Combination wrench (long type)



Quality
Vanadium 31CrV 3.

Type
Ring end with UD profile, 15° angled and polished. Extremely long lever arm, chrome-plated.

50314



Set contents	Type	50314	...
12-piece AF mm	10 / 11 / 12 / 13 / 14 / 17 / 19 / 22 / 24 / 27 / 30 / 32 in cardboard box		101

AF mm	Length approx. mm	50315	...
8 x 8	170		103
9 x 9	180	#	104
10 x 10	190		105
11 x 11	200		106
12 x 12	210		107
13 x 13	225		108
14 x 14	235		109

AF mm	Length approx. mm	50315	...
15 x 15	250		110
16 x 16	265		111
17 x 17	280		112
18 x 18	295		113
19 x 19	310		114
21 x 21	340		116
22 x 22	350		117

AF mm	Length approx. mm	50315	...
24 x 24	400		119
27 x 27	450		122
30 x 30	480		124
32 x 32	500		125
34 x 34	520	#	126
36 x 36	550		127
41 x 41	600		128

50320 - 50321

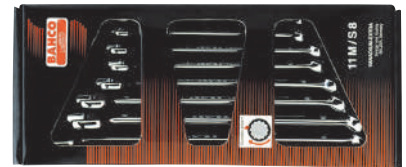
Combination wrench (long type)



Quality
Vanadium-extra.

Type
Ring end with Dynamic-Drive profile, 15° angled head. Extremely long lever arm. Chrome-plated micro-matt version with high-quality surface.

50320



Set contents	Type	50320	...
8-piece AF mm	8 / 9 / 10 / 11 / 13 / 14 / 17 / 19 in cardboard box		101

AF mm	Length approx. mm	50321	...
8 x 8	180		101
9 x 9	180	#	102
10 x 10	200		103
11 x 11	200	#	104
12 x 12	225	#	105
13 x 13	225		106
14 x 14	250		107

AF mm	Length approx. mm	50321	...
15 x 15	250		108
16 x 16	280	#	109
17 x 17	280		110
18 x 18	280	#	111
19 x 19	310		112
21 x 21	310	#	113
22 x 22	350		114



50321

AF mm	Length approx. mm	50321	...
24 x 24	400		115
27 x 27	450		116
30 x 30	500		117
32 x 32	500		118
36 x 36	550		119
38 x 38	550		120

50330

Combination wrench



Use
For radio, telecommunication, electronics, precision mechanics, carburetors, etc.
Quality
Vanadium-extra steel.

Type
Chrome-plated micro-matt version with high-quality surface. Special narrow dimensions. Hexagon ring end 15° angled. Angled head 22.5°.

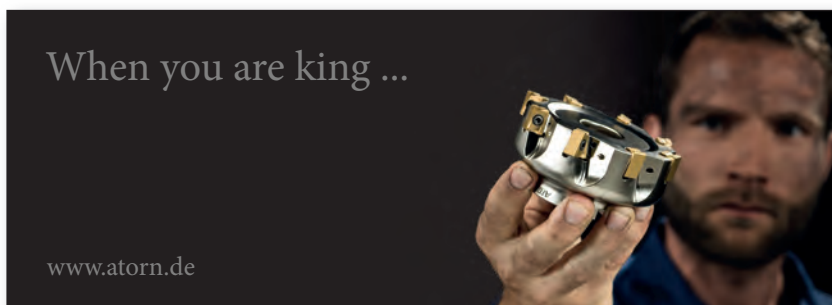
50330



AF mm	Overall length approx. mm	50330	...
3.2 x 3.2	70		202
3.5 x 3.5	70		203

AF mm	Overall length approx. mm	50330	...
4.0 x 4.0	70		204
4.5 x 4.5	80		205

AF mm	Overall length approx. mm	50330	...
5.0 x 5.0	80		206
5.5 x 5.5	80		207



... your wishes come true.

ATORN[®]
Performance requires quality

Hand Tools

Combination Wrench

50345

Combination wrench DIN 3113 A, ISO 7738 A (inch)



Type
Imperial sizes, ring end with Dynamic-Drive profile and 15° angled, angled head 15°. Chrome-plated micro-matt version with high-quality surface.
Quality
Vanadium-extra.



50345 101



50345 102



50345 201-217

Set contents	Type	50345	...
8-piece AF inch	in plastic bag		101
11-piece AF inch	in plastic bag		102

AF inch	Length mm	50345	...
1/4	95		201
5/16	115		202
3/8	125		203
7/16	145		204
1/2	170		205
9/16	185		206

AF inch	Length mm	50345	...
5/8	205		207
11/16	220		208
3/4	245	#	209
13/16	265		210
7/8	265		211
15/16	300	#	212

AF inch	Length mm	50345	...
1	330		213
1.1/16	330		214
1.1/8	370		215
1.1/4	390		216
1.5/16	415		217

50350

METRINCH® socket and combination wrench set



Type
76-part, with 6-point wall drive profile, mirror chrome finish, in plastic box made of impact- and break-proof PP.

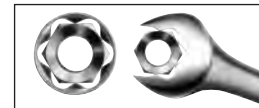
Quality
Chrome-vanadium steel, 46 CrV4.

Note:
Technical information see cat. no. 50355.

Set contents	
1/4"	9 Short inserts (mm+inch) 5+3/16 / 6+1/4 / 7+9/32 / 8+5/16 / 9+11/32 / 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2
	8 Long inserts (mm+AF) 5+3/16 / 6+1/4 / 7+9/32 / 8+5/16 / 9+11/32 / 10+3/8 / 11+7/16 / 12+15/32
	Each with 1 Manual ratchet adapter, extension 50 mm, universal joint, driver
	1 Connecting piece 3/8 inch square drive x 1/4 inch outer square
3/8"	11 Short inserts (mm+inch) 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 16+5/8 / 17+11/16 / 19+3/4 / 20+21+3/16 / 22/23+7/8
	7 Long inserts (mm+inch) 10+3/8 / 11+7/16 / 13+1/2 / 14+9/16 / 17+11/16 / 19+3/4 / 22/23+7/8
	2 Inserts for spark plugs (mm+inch) 16+5/8 / 20.8+13/16
	Each with 1 Reversible ratchet 64 teeth, extension 75 mm, universal joint
1/2"	17 Short inserts (mm+inch) 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 16+5/8 / 17+11/16 / 18+23/32 / 19+3/4 / 20/21+13/16 / 22/23+7/8 / 24+15/16 / 25+1 / 26/27+1.1/16 / 29/30+1.3/16 / 31/32+1.1/4
	11 Combination wrenches (mm+inch) 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 16+5/8 / 17+11/16 / 18+23/32 / 19+3/4 / 20/21+13/16
	Each with 1 Reversible ratchet 22 teeth, extension 255 mm, T-slide



50350



Set contents	Type	50350	...
76-piece	in plastic box	#	101



www.atorn.de

Performance requires quality.

For example, with the solid carbide high-performance ALUSPEED drill, from ATORN.

- 6x guiding section
- Solid carbide Ultra finest grit
- Al-CC-coating
- to 8xD
- Twisted cooling channel



50355

METRINCH® socket wrench set



Type

37-part, with 6-point wall drive profile, mirror chrome finish, in plastic box made of impact- and break-proof PP.

Quality

Chrome-vanadium steel, 46 CrV 4.

Note:

The METRINCH® wall drive profile allows a snug fit and frictional connection of the wrench on the flanks and not on the edges. This will have a positive effect on the service life of the screw and allows for a considerably higher force transmission. The wall drive profile protects against accidents, even under extreme working conditions. Edges might become round, flanks can not.

50355



Set contents	
8	Short inserts (mm+inch) 5+3/16 / 6+1/4 / 7+9/32 / 8+5/16 / 9+11/32 / 10+3/8 / 11+7/16 / 12+15/32
Each with 1 Reversible ratchet 50 teeth, universal joint, extension 50 mm	
1	Connecting piece 1/4 inch square drive x 3/8 inch outer square
1	Driver
1	Extension 100 mm wobble
1	T-slide
1	Bit holder
4	Bits for slotted screws 4.0 / 4.5 / 5.5 / 6.5 mm
4	Bits for phillips recess head screws PH 0 / 1 / 2 / 3
2	Bits for phillips recess head screws PZ 1 / 2
5	Bits for hexagon socket head screws AF 2.5 / 3 / 4 / 5 / 6 mm
6	Bits for TORX screws TX 10 / 15 / 20 / 25 / 27 / 30

Set contents	Type	50355	...
37-piece	in plastic box		101

50360 - 50370

METRINCH® combination wrench sets



Type

With 6-point wall drive profile, mirror chrome finish.

Quality

Chrome-vanadium steel, 46 CrV4.

Note:

Technical information see cat. no. 50355.

50360



50365



50370

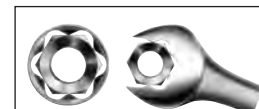


Set contents	50360	...	50365	...	50370	...
(mm+inch)	10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 16+5/8 / 17+11/16 / 18+23/32 / 19+3/4					

Set contents	50365	...	50370	...
(mm+inch)	8+5/16 / 9+11/32 / 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 16+5/8 / 17+11/16 / 18+23/32 / 19+3/4 / 20+21+13/16 / 22+23+7/8			

Set contents	50370	...
(mm+inch)	8+5/16 / 9+11/32 / 10+3/8 / 11+7/16 / 12+15/32 / 13+1/2 / 14+9/16 / 15+19/32 / 17+11/16 / 19+3/4 / 22+23+7/8 / 24+15/16 / 26+27+1.1/16 / 29+30+1.3/16 / 31+32+1.1/4	

Set contents	Type	50360	...	50365	...	50370	...
10-piece	in plastic roll-up case		101				
14-piece	in plastic roll-up case			#	101		
15-piece	in plastic roll-up case						101



50380

METRINCH® combination wrench



Type

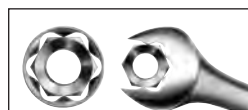
Open-end with 4-point wall drive profile, ring end with 6-point wall drive profile, angled head and ring end 15° angled, short type, both ends mirror chrome finish.

Quality

Chrome-vanadium steel, 46 CrV4.

Note:

Technical information see cat. no. 50355.



50380

AF	Length	50380	...
mm + inch	approx. mm		
8 + 5/16	104		101
9 + 11/32	116	#	102
10 + 3/8	124		103
11 + 7/16	132	#	104
12 + 15/32	136	#	105
13 + 1/2	147		106

AF	Length	50380	...
mm + inch	approx. mm		
14 + 9/16	168	#	107
15 + 19/32	188	#	108
16 + 5/8	195	#	109
17 + 11/16	206		110
18 + 23/32	220	#	111
19 + 3/4	230		112

AF	Length	50380	...
mm + inch	approx. mm		
20+21 + 13/16	242	#	113
22+23 + 7/8	260	#	114
24 + 15/16	280	#	115
26+27 + 1.1/16	317		116
29+30 + 1.3/16	367	#	117
31+32 + 1.1/4	384	#	118

Combination wrench with ratchet

Info

ATORN combination wrenches with ratchets



Combination wrenches with ratchets are available in 4 versions:

- Straight with ring and open-end ratchet
- Straight with ring ratchet
- Angled with reversible ring ratchet
- Movable pivot head with ring ratchet
- Slim heads
- Chrome-plated
- Ring end with double hexagon
- Robust ratchet mechanism (72 teeth, return angle 5°)

Note:

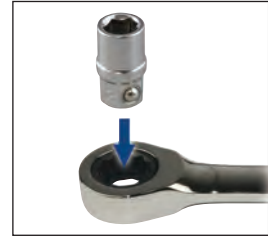
Adapter for mounting bits and socket wrench inserts, see cat. no. 50392 + 50394.



Adapter for socket wrench sets available in 3 sizes: 1/4, 3/8 and 1/2 inch.



The wrench must not be removed from the nut or the bolt head thanks to the ratchet mechanism on the open-end side



The bit-adaptor is easily inserted in the ring end.



Hand Tools

50388

Combination wrench with ring and open-end ratchet, straight

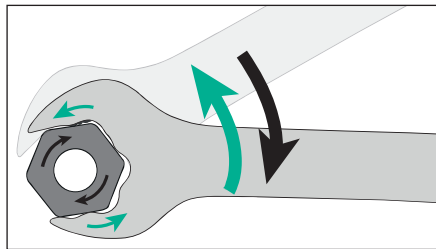


Type

- Straight line
- Slim heads
- Chrome-plated
- Ring end with double hexagon
- Robust ratchet mechanism on both sides

Quality
Chrome-vanadium steel.

Note:
Adapter for mounting bits and socket wrench sets, see cat. no. 50392 + 50394.



The wrench must not be offset from the mother or from the screw head due to the ratchet mechanism on the jaw side.



50388 201

50388 101-112



Set contents	Type	50388	...
AF mm			
5-piece	8 / 10 / 13 / 17 / 19 in roll-up case		201

AF mm	50388	...
8		101
10		103

AF mm	50388	...
13		106
17		110

AF mm	50388	...
19		112

50395

Combination wrench with ring ratchet, straight



Type

- Straight line
- Slim heads
- Chrome-plated

- Ring end with double hexagon
- Robust ratchet mechanism (72 teeth, return angle 5°)

Quality
Chrome-vanadium steel.

Note:
Adapter for mounting bits and socket wrench sets, see cat. no. 50392 + 50394.

Set contents	Type	50395	...
AF mm			
5-piece	8 / 10 / 13 / 17 / 19 in roll-up case		100

AF mm	Length mm	50395	...
8	140		101
9	149		102
10	159		103
11	165		104
12	171		105
13	178		106

AF mm	Length mm	50395	...
14	190		107
15	199		108
16	208		109
17	225		110
18	236		111
19	248		112

AF mm	Length mm	50395	...
21	291		113
22	291		114
24	333		115
27	357		116
30	402		117
32	426		118



50390**Combination wrench with ring ratchet, offset****ATORN®****Type**

- Reversible
- Ring end 15° angled
- Slim heads
- Chrome-plated

- Ring end with double hexagon
- Robust ratchet mechanism (72 teeth, return angle 5°)

Quality**Chrome-vanadium steel.****Note:**

Adapter for mounting bits and socket wrench sets, see cat. no. 50392 + 50394.

50390

	Set contents	Type	50390	...
	AF mm			
5-piece	8 / 10 / 13 / 17 / 19	in roll-up case		100



AF mm	Length mm	50390	...
8	140		101
9	149		102
10	159		103
11	165		104

AF mm	Length mm	50390	...
12	171		105
13	178		106
14	190		107
15	199		108

AF mm	Length mm	50390	...
16	208		109
17	225		110
18	236		111
19	248		112

50391**Combination wrench with ring ratchet, movable****ATORN®****Type**

- With movable pivot head
- Slim heads
- Chrome-plated

- Ring end with double hexagon
- Robust ratchet mechanism (72 teeth, return angle 5°)

Quality**Chrome-vanadium steel.****Note:**

Adapter for mounting bits and socket wrench sets, see cat. no. 50392 + 50394.

50391

	Set contents	Type	50391	...
	AF mm			
5-piece	8 / 10 / 13 / 17 / 19	in roll-up case		100



AF mm	Length mm	50391	...
8	140		101
9	149		102
10	159		103
11	165		104

AF mm	Length mm	50391	...
12	171		105
13	178		106
14	190		107
15	199		108

AF mm	Length mm	50391	...
16	208		109
17	225		110
18	236		111
19	248		112

50394**Adapter set for ATORN combination wrench with ratchet****1/4" 3/8" 1/2"****Use**

- Suitable for combination wrench
- **Straight** (cat. no. 50388 + 50395)
- **Offset** (cat. no. 50390) and
- **With movable pivot head** (cat. no. 50391).

For mounting

- **Bits** 1/4 inch and
- **Socket wrench sets** 1/4, 3/8 and 1/2 inch.

Quality**Chrome-vanadium steel.****50394**

Set contents	
1	Adapter for bits 1/4 inch (for AF 10 mm)
1	Adapter for socket wrench sets 1/4 inch (for AF 10 mm)
1	Adapter for socket wrench sets 3/8 inch (for AF 13 mm)
1	Adapter for socket wrench sets 1/2 inch (for AF 19 mm)



Set contents	50394	...
4-piece		201

50392**Adapter for ATORN combination wrench with ratchet****1/4" 3/8" 1/2"****ATORN®****Use**

- Suitable for combination wrench
- **Straight** (cat. no. 50388 + 50395)
- **Angled** (cat. no. 50390) and
- **With movable pivot head** (cat. no. 50391).

For mounting

- **Bits** (cat. no. 50392 102) and
- **Socket wrench inserts** (cat. no. 50392 101+103+104).

Quality**Chrome-vanadium steel.****50392 101****50392 102**

Square inch	adapter suitable for ring wrench	50392	...
1/4	AF mm		101
Bit 1/4	10		102
3/8	13		103
1/2	19		104

**50392 103****50392 104**

50401 - 50402 Combination wrench with joker ring ratchet



- A plus on the open-end:

- 1. Practical retaining function** thanks to the innovative metal plate in the open end:
Screws and nuts no longer get lost when positioning the tool.
Start screwing immediately after positioning the screw or nut.
Time intensive changing of positioning tools such as long-nose pliers to an open-end wrench is unnecessary.

- 2. The integrated limit stop** ensures easy placement and prevents slipping or dropping.
The thumb is no longer needed for holding the nut.

- 3. Secure screwing** even at high torques:
The extra-hard and toothed gripping plate in the open end enables high torques to be applied and prevents painful slipping off to the side.

- 4. Wrench does not need to be changed:**
Its return angle of only 30° makes bothersome turned over of the wrench to continue screwing unnecessary.

During tightening, the joker does not have to be removed from the screw and then turned, but always remains in the same direction in the screw and therefore saves time.
The joker allows screw connections to components to be used in circumstances where conventional open-end wrenches would not permit due to the narrow installation space.

- Ratchet mechanism on the ring end:**
Unusually high fine-toothing with 80 teeth ensures flexibility even in tight installation spaces. Very long product service life even at high torques.

Quality
High-quality chrome molybdenum steel.
Chromium-nickel coating for high corrosion protection.



50401 101



50401 102



50401 103



50402



50401 201

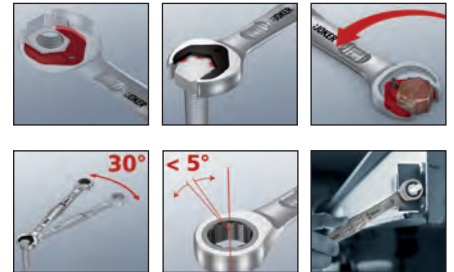


50401 202

Set contents	Type	50401	...
AF mm			
4-piece	in a case		101
8-piece	in a case	#	102
11-piece	in a case		103

Set contents	Type	50401	...
AF inch			
4-piece	in a case	#	201
8-piece	in a case		202

AF mm	Length mm	Open end head thickness mm	Ring end thickness mm	50402	...
10	159	5.5	7.2		101
13	177	7.0	8.6		104
17	224	8.5	10.5		108
19	246	9.5	11.0		110



50396 - 50397 Combination wrench with ring ratchet



Type
Double hexagonal, with reverse ring. Easy reversal thanks to handy reverse button. Reverse ring with 72 teeth. Slim version with 15° angled head, for easy access to difficult to reach areas. 5° return angle. **Dynamic-Drive profile. Angled head 15°.** Chrome-plated micro-matt version with high-quality surface. Acc. to ISO 1711-1 and DIN 3113.

Quality
Chrome-vanadium.

50396 101



50396 102

50397

Set contents	Type	50396	...
AF mm			
6-piece	in tool holder		101
12-piece	in tool holder		102

AF mm	50397	...	AF mm	50397	...	AF mm	50397	...	AF mm	50397	...
6		099	11		104	16		109	24		114
7		100	12	#	105	17		110	27		115
8		101	13		106	18		111	30		116
9	#	102	14		107	19		112	32		117
10		103	15		108	22		113			



50399

Combination wrench with ring ratchet



Type

- Ring wrench with reversible ratcheting function
- Finely toothed, 72 teeth, **swivel angle 5°**
- Ring end 13° angled
- Surface chrome-plated

Use

To manipulate hard-to-reach screw connections in very tight spaces without removing the wrench thanks to the ratchet function.

Quality

Chrome-vanadium.



50399



AF mm	Length mm	Head thickness jaw mm	Head thickness ring mm	50399	...
8	129.9	6.8	4.9		201
9	143.0	7.2	5.2	#	202
10	154.5	7.6	5.6		203
11	168.6	8.0	6.0	#	204
12	180.3	8.5	6.4		205
13	193.2	8.9	6.7		206
14	204.6	9.3	7.1		207
15	218.0	9.7	7.4		208
16	230.2	10.2	7.7		209

AF mm	Length mm	Head thickness jaw mm	Head thickness ring mm	50399	...
17	242.2	10.6	8.1		210
18	255.0	11.0	8.5		211
19	268.3	11.5	9.1		212
21	291.5	13.3	12.0		213
22	291.5	13.3	12.0		214
24	333.1	14.8	12.5		215
27	359.2	15.8	14.7		216
30	402.5	17.3	15.2		217
32	425.8	17.8	15.7		218

50403

Combination wrench with ring ratchet, extra long



Type

- With identical wrench sizes
- Flat version
- **UD profile**
- High torque transmission
- Long lever arm for powerful tightening, 33 % longer as conventional wrenches
- Hand-friendly haptics thanks to hollow section in the shank
- Torsion-resistant geometry with double T-girder effect
- Non-glare look thanks to matt chrome plating
- Locking insert and pawl manganese-phosphated
- Hot forged
- Open end ground exactly to wrench size

Use

For ratchet loosening and fast tightening.

Quality

GEDORE vanadium steel 31CRV3.

50403 100



Set contents	Type	50403	...
9-piece 13 / 14 / 15 / 16 / 17 / 18 / 19 / 21 / 22 AF mm	in sheet steel case		100



50403 101-114

AF mm	Length mm	Head thickness jaw mm	Head thickness ring mm	Working angle degree	50403	...
13	240	5.8	12.0	7		101
14	253	6.3	12.5	7	#	102
15	265	6.8	13.0	7	#	103
16	282	7.4	13.6	6	#	104
17	300	8.4	14.1	6		105
18	315	8.4	14.6	6		106
19	333	9.4	15.6	6		107

AF mm	Length mm	Head thickness jaw mm	Head thickness ring mm	Working angle degree	50403	...
21	364	9.4	16.6	6	#	108
22	388	10.8	17.7	6		109
24	432	11.8	19.7	6		110
27	478	12.8	21.3	6	#	111
30	530	13.8	23.1	5		112
32	564	13.8	23.8	5		113
36	638	14.8	25.1	5		114

50400

Open end socket wrench



Type

- Slim, chrome-plated, heads finely ground. Freely movable socket wrench end **with UD profile**.
- Hole for straight shaft (tommy bar).

Quality

Vanadium 31CrV 3.

Note:

Straight shafts (tommy bars) see cat. no. 50749 - 50750.

50400



AF mm	Length approx. mm	Outside head-Ø mm	Straight shaft (tommy bar) borehole mm	50400	...
10	179	4.7 / 15.5	5		101
11	189	5.0 / 16.7	5	#	102
12	198	5.5 / 18.0	5		103
13	208	6.0 / 19.2	5		104
14	218	6.3 / 20.5	6		105

AF mm	Length approx. mm	Outside head Ø mm	straight shaft (tommy bar) borehole mm	50400	...
15	231	6.7 / 21.7	6	#	106
16	244	7.0 / 22.8	6	#	107
17	255	7.5 / 24.2	8		108
18	269	7.7 / 25.5	8	#	110
19	283	8.0 / 26.7	8		109



Ring wrenches

50500

Ring wrench (long version)



Type
Double-end, with **AS-drive profile, 15° angled**, chrome-plated.

Use
Thanks to the extremely thin-walled ring ends especially suited in tight spaces.
Quality
HPQ heavy-duty steel.

50500



AF mm	Length mm	Ring end-Ø mm	Ring thickness height mm	50500	...
5.5 x 7	185	8.8 x 11.0	5.3 x 5.8	#	101
6 x 8	205	9.8 x 12.1	5.6 x 6.0	#	102
9 x 11	250	14.2 x 16.7	8.0 x 8.7	#	103
10 x 11	250	15.5 x 16.7	8.0 x 8.7	#	104

AF mm	Length mm	Ring end Ø mm	Ring thickness height mm	50500	...
12 x 14	290	18.3 x 20.7	9.5 x 9.5	#	105
13 x 14	290	18.7 x 20.7	9.5 x 9.5	#	106
17 x 19	365	25.0 x 27.5	11.0 x 12.0	#	107
18 x 19	365	25.5 x 27.5	11.0 x 12.0	#	108

Hand Tools

50502 - 50503

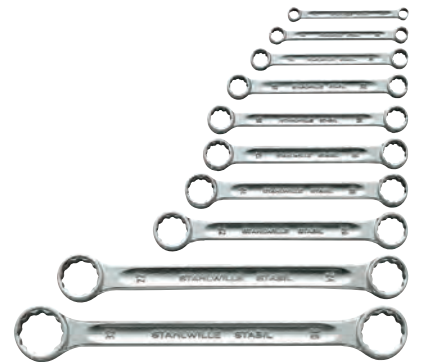
Straight ring wrenches DIN 837, ISO 10103



Type
Double-sided, with **AS-drive profile**, extreme load capacity thanks to double-T profile. Chrome-plated on top of nickel. Anti-slip surface.

Quality
Chrome alloy steel.

50502



Set contents	AF mm	Type	50502	...
7-piece	8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box		101
10-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box		102

AF mm	Length mm	50503	...
6 x 7	100		101
8 x 9	115		102
10 x 11	130		104
12 x 13	150		105
13 x 17	170		107

AF mm	Length mm	50503	...
14 x 15	165		108
16 x 17	170		109
17 x 19	185		111
18 x 19	185	#	112
19 x 22	210		114

AF mm	Length mm	50503	...
20 x 22	210	#	115
24 x 27	290		117
30 x 32	325		119

50504 - 50505

Straight ring wrenches DIN 837, ISO 10103



Type
Thin-walled, polished rings with **UD profile**, Chrome-plated.

Quality
Vanadium 31CrV 3.

50504



Set contents	AF mm	Type	50504	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box		111
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in cardboard box		112

AF mm	Length approx. mm	50505	...
6 x 7	98		203
8 x 9	113		204
8 x 10	115		205
10 x 11	130		207
12 x 13	148		211
13 x 15	160	#	213

AF mm	Length approx. mm	50505	...
13 x 17	168		214
14 x 15	160		215
14 x 17	170	#	216
16 x 17	170		217
18 x 19	185		219
20 x 22	208	#	221

AF mm	Length approx. mm	50505	...
21 x 23	233		222
22 x 24	233		223
24 x 27	260		225
30 x 32	320		228



50506

Straight ring wrench (inch)



Quality
Vanadium-extra.

50506

Type
Imperial sizes. Thin-walled heads with 15° angle.
Bi-hexagon with Dynamic-Drive Profil. Chrome-plated micro-matt version with high-quality surface.



AF inch	Length mm	50506	...
1/4 x 5/16	156		101
3/8 x 7/16	193		102
1/2 x 9/16	220	#	103

AF inch	Length mm	50506	...
19/32 x 11/16	258		104
5/8 x 3/4	268		105
25/32 x 13/16	300		106

AF inch	Length mm	50506	...
7/8 x 15/16	334		107
15/16 x 1	352		108
1 x 1.1/8	404		109

50507 - 50509

Straight ring wrenches DIN 837, ISO 10103



Type
Chrome-plated micro-matt version with high-quality surface. Thin-walled heads, angled on both sides, with Dynamic-Drive profile.
Quality
Vanadium-extra.

50507



Set contents AF mm	Type	50507	...
10-piece 6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in plastic bag	#	102

AF mm	Length approx. mm	50509	...
6 x 7	100	#	101
8 x 9	115	#	102
10 x 11	130		103
12 x 13	143		104

AF mm	Length approx. mm	50509	...
14 x 15	157	#	107
16 x 17	168	#	108
17 x 19	185	#	109
18 x 19	189	#	110

AF mm	Length approx. mm	50509	...
20 x 22	200	#	111
24 x 27	255	#	112
30 x 32	285	#	113

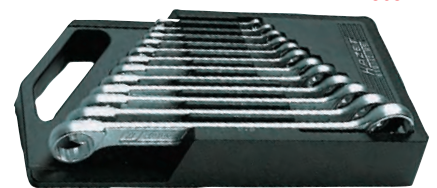
50511

Straight ring wrench sets DIN 837, ISO 10103



Type
New design, ergonomically shaped. Polished heads, chrome-plated, double hexagon.
Quality
Chrome-vanadium steel.

50511



Set contents AF mm	Type	50511	...
8-piece 6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 21 x 22	in plastic tool holder	#	101
12-piece 6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 26 / 25 x 28 / 27 x 32	in plastic tool holder		102

50510

Offset ring wrench sets DIN 838, ISO 10104



Type
On both sides deeply offset, double hexagonal, ring ends thin-walled and polished, chrome-plated.
Quality
Chrome-vanadium steel.

50510



Set contents AF mm	Type	50510	...
8-piece 6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box		101
10-piece 6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box		103
12-piece 6 x 7 / 8 x 9 / 10 x 11 / 10 x 13 / 12 x 13 / 14 x 15 / 16 x 17 / 17 x 19 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box		104



Ring wrenches

50512

Offset ring wrench sets DIN 838, ISO 10104



50512

ATORN®

Type

Double-sided **deeply offset**, with energy profile, chrome-plated.

Quality

Chrome-vanadium steel.



	Set contents AF mm	Type	50512	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box		099
9-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23	in cardboard box		101
10-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box		100
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 10 x 13 / 12 x 13 / 14 x 15 / 16 x 17 / 17 x 19 / 18 x 19 / 20 x 22 / 24 x 27 / 30 x 32	in cardboard box		103
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 26 / 25 x 28 / 30 x 32	in cardboard box		102

50513

Offset ring wrench sets DIN 838, ISO 10104



50513

GEDORE

Type

Double-sided **deeply offset**. Thin-walled, polished rings with **UD profile**, chrome-plated.

Quality

Vanadium 31 CrV 3.



	Set contents AF mm	Type	50513	...
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22	in cardboard box		101
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32	in cardboard box		102

50514

Offset ring wrench set DIN 838, ISO 10104



50514

HAZET®

Type

Double-sided **deeply offset**, double hexagonal, ring ends thin-walled and polished, chrome-plated.

Quality

Chrome-vanadium steel.



	Set contents AF mm	Type	50514	...
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 26 / 25 x 28 / 27 x 32	in cardboard box		204

50516

Offset ring wrench sets DIN 838, ISO 10104



50516

STAHLWILLE®

Type

Double-sided **deeply offset**, with **AS-Drive profile**, extreme load capacity thanks to double-T profile. Chrome-plated on top of nickel. Anti-slip surface.

Quality

Chrome alloy steel.



	Set contents AF mm	Type	50516	...
7-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19	in cardboard box	#	201
9-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 24	in cardboard box		203

50517 - 50522

Offset ring wrenches DIN 838, ISO 10104

Type

Double-sided deeply offset, double hexagonal, ring ends thin-walled and polished, chrome-plated.

Quality

Chrome-vanadium steel.

50518



Type

With Energy profile.

50520



Type

With UD profile.

50521



Type

With AS-drive profile.

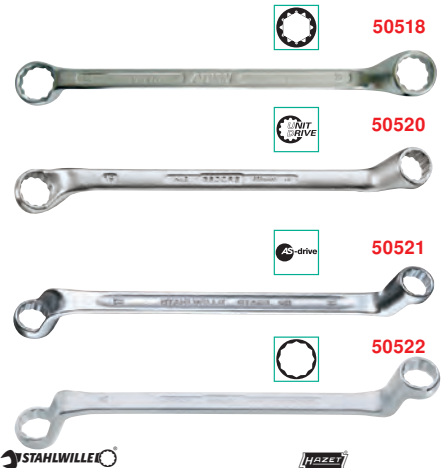
Quality

Chrome alloy steel.

50522



50517



50518

50520

50521

50522

AF mm	50517	...	50518	...	50520	...	50521	...	50522	...
6 x 7	#	101		202		202	#	101		402
8 x 9	#	103		203		203		103		403
8 x 10		104		204		204				
10 x 11		105		205		205		105		405
10 x 13		106		206		206	#	107		
12 x 13		107		207		207		108		407
12 x 14	#	108		208		208				
13 x 14	#	109	#	209	#	209				
13 x 15		110		210		210				
13 x 17		112		212		212	#	113		
14 x 15	#	113		213		213	#	114		413
14 x 17	#	114		214		214				
16 x 17		115		215		215		116		415
16 x 18		116		216		216				
17 x 19		117		217		217		118		417
18 x 19		118		218		218		119		418
18 x 21					#	219				
19 x 22		120		220		220	#	121		
19 x 24		121		221		221				
20 x 22		122		222		222	#	123		422
21 x 23	#	123		224		224	#	124		424
22 x 24	#	124		226		226	#	126		
24 x 26	#	125		227	#	227	#	127	#	427
24 x 27		126		228		228		128		428
24 x 30						229				
25 x 28	#	128		231	#	231				
27 x 30						232				
27 x 32	#	130		233	#	233	#	131	#	433
30 x 32		131		234		234	#	132		434
30 x 34					#	235				
30 x 36						236				
32 x 36		134		238		238				
36 x 41				240		240		135		440
41 x 46						241				
46 x 50					#	242				

50525

Offset ring wrenches DIN 838, ISO 10104 (inch)



Type

Imperial sizes. Double-sided deeply offset. Thin-walled, polished rings with UD profile, chrome-plated.

Quality

Vanadium 31 CrV 3.



50525



AF inch	Length approx. mm	50525	...
1/4 x 5/16	170	#	101
3/8 x 7/16	195	#	102
1/2 x 9/16	225	#	104
19/32 x 11/16	245	#	105

AF inch	Length approx. mm	50525	...
5/8 x 11/16	245	#	106
5/8 x 3/4	265	#	107
25/32 x 13/16	285	#	108
3/4 x 7/8	285	#	109

AF inch	Length approx. mm	50525	...
13/16 x 7/8	285	#	110
15/16 x 1	325	#	112
1 .1/16 x 1.1/4	370	#	114



Ring wrenches | Ratchet wrenches

50527

TORX® ring wrench



Type
Straight, chrome-plated, polished.

Use
For outer TORX® screws.
Quality
Chrome-vanadium steel.

50527



Size E	d mm	Length approx. mm	50527	...
6 x 8	5.47 x 7.52	113		101
10 x 12	9.42 x 11.17	140		102

Size E	d mm	Length approx. mm	50527	...
14 x 18	12.90 x 16.70	180		103
20 x 24	18.49 x 22.16	224		104

50536

TORX® ring wrench



Type
Straight, chrome-plated, ring ends polished.

Use
For outer TORX® screws.
Quality
Vanadium 31 CrV 3.

50536



Size E	d mm	Length mm	50536	...
6 x 8	5.74 x 7.52	110	#	101
10 x 12	9.42 x 11.17	140	#	102

Size E	d mm	Length mm	50536	...
14 x 18	12.90 x 16.70	180	#	103

50530

Double hexagonal ratchet ring wrenches



Type
Straight, slim heads, high-gloss chrome-plated, with double hexagon and robust ratchet mechanism (72 teeth, return angle 5°).

Quality
Chrome-vanadium steel.

50530 200



Set contents AF mm	Type	50530	...
6-piece 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 18 / 17 x 19	in plastic bag		200

AF mm	Length mm	50530	...
8 x 9	130		201
10 x 11	150		202
12 x 13	170		203
14 x 15	190		204
16 x 18	210		205
17 x 19	230		206



50530 201-206

50532

Double hexagonal ratchet ring wrenches



Type
Chrome-plated and satinised. Reversible ratchet with double hexagon ring end, 5° swivel angle, therefore less space requirements.

Use
This wrench allows quick working, even when space is limited and turn movements are very narrow. The wrenches are made for extreme applications.

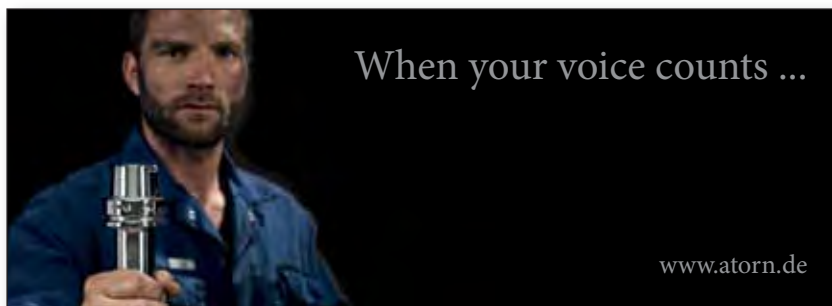
50532 301

Set contents AF mm	Type	50532	...
4-piece 10 x 11 / 12 x 13 / 16 x 18 / 17 x 19	in cardboard box		301

AF mm	50532	...	AF mm	50532	...	AF mm	50532	...
6 x 7		401	12 x 13		404	17 x 19		407
8 x 9		402	14 x 15		405			
10 x 11		403	16 x 18		406			



50532 401-407



When your voice counts ...

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... your suggestions are heard.

ATORN®

Performance requires quality

50534

Universal ratchet sets

BILZ

Type

With exchangeable square inserts. Ratchet reversible for right and left-hand rotation. The inserts are fixed when the gear selector lever is in the centre position.

Use

For working in hard-to-reach places.

50534



Inserts mm	Type	50534	...
2.1/2.7/3/3.4/4.9/5.5/6.2/7/8	in sheet metal box	#	101
3.4/4.9/5.5/6.2/7/8/9/11	in sheet metal box		102

50535

Universal ratchets

BILZ

Type

Reversible for right and left-handed rotation, the inserts are fixed when the gear selector lever is in the centre position. **Delivery without inserts.**

Use

For exchangeable square inserts (cat. no. 50538). For working in hard-to-reach places.

50535



Note:

Hexagonal inserts available on request.

Size	Ø of inserts mm	for square mm	Length of lever arm to hole centre mm	50535	...
00	16	2.1 - 8.0	115		201
0	22	3.4 - 11.0	155		202
1	29	4.9 - 14.5	175		203
2	36	10.0 - 18.0	220		204
3	45	14.0 - 22.0	300		205
4	60	18.0 - 30.0	380		206

50538

Square inserts for universal ratchet

BILZ

Use

For universal ratchet cat. no. 50535.

Note:

Additional inserts, including hexagonal or special shapes, available on request.

50538



for Size	square mm	50538	...
00	2.7	#	203
00	3.4	#	205
00	4.9	#	209
00	6.2	#	212
00	8.0	#	214
0	4.9		219
0	5.5		221
0	6.2	#	222
0	9.0		225

for Size	square mm	50538	...
0	10.0	#	226
1	5.5	#	230
1	6.2	#	231
1	7.0	#	232
1	8.0	#	233
1	9.0	#	234
1	10.0	#	235
1	11.0	#	236
1	12.0		237

for Size	square mm	50538	...
1	13.0	#	238
1	14.0	#	239
2	10.0	#	240
2	11.0	#	241
2	12.0		242
2	13.0	#	243
2	14.0	#	244
2	14.5	#	245
2	16.0		246

for Size	square mm	50538	...
2	17.0	#	247
3	16.0	#	251
3	17.0		252
3	18.0	#	253
3	19.0	#	254
3	22.0		256
4	20.0	#	259
4	24.0		261

SAFETY FIRST! The current PSA catalogues

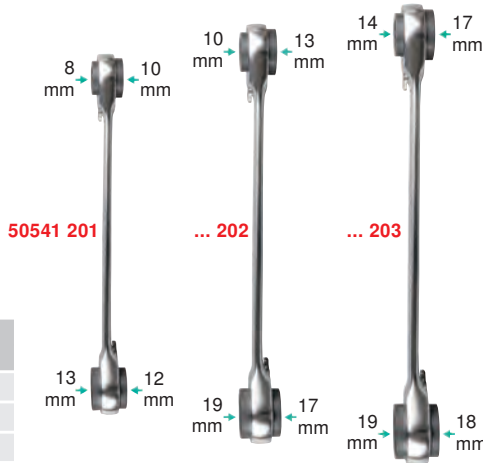


50541 4 in 1 reversible ratchet ring wrenches

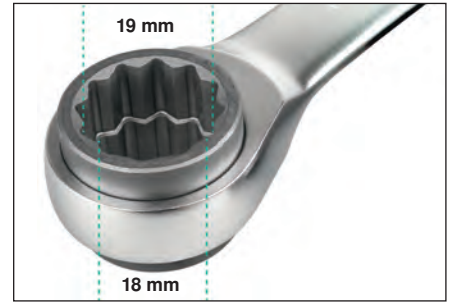


- Type**
- Double hexagon
 - Straight shape
 - Exact toothing with 72 teeth
 - 4 different wrench sizes
 - With reversing lever
 - Chrome-plated (50541 201-202)
 - Very finely satinised (50541 203)

Quality
 Chrome-vanadium steel.



50541



AF mm	50541	...
8 x 10 / 12 x 13		201
10 x 13 / 17 x 19		202
14 x 17 / 18 x 19		203

50543 - 50545 Freewheel ratchets and socket wrench bits



50543 Freewheel ratchets

Type
 With built-in ball catch for safe mounting of socket wrench bits. Right and left-hand rotation by simply turning over the ratchet, it works toothlessly and without backlash. Socket wrench bits **not** included.

Quality
 Vanadium 31 CrV 3, burnished.

50545 Socket wrench bits
Type
 Exchangeable socket wrench bits with UD profile and groove for ball catch.
Quality
 Vanadium 31 CrV 3, ground.



Ratchet				Point				Ratchet				Point			
AF mm	Length approx. mm	50543	...	AF mm	50545	...	AF mm	50545	...	AF mm	50545	...	AF mm	50545	...
14 - 17	205	#	102	14	#	107	19	#	112	27	#	118	14	#	107
18 - 23	255	#	103	15	#	108	21	#	113	28	#	119	15	#	108
24 - 28	305	#	104	16	#	109	22	#	114	30	#	120	16	#	109
30 - 32	400	#	105	17	#	110	24	#	116	32	#	121	17	#	110
				18	#	111	26	#	117				18	#	111

50547 Ratchet wrenches



Use
 Mainly for union nuts on piping. One wrench for both metric and imperial size nuts and bolts.

Quality
 Stainless, tempered steel.



50547 102-111



50547 101

	Set contents AF mm	50547	...
5-piece	10/ 11 / 14 / 17 / 19	#	101

AF mm	AF inch	50547	...	AF mm	AF inch	50547	...
8	5/16	#	102	14	9/16	#	107
10	3/8	#	103	16	5/8	#	108
11	7/16	#	104	17	21/32	#	109
12	15/32	#	105	18	11/16	#	110
13	1/2	#	106	19	3/4	#	111

50550 Double hexagon flex head socket wrench



Type
 Chrome-plated, polished heads, both sides swivel 90°.

Quality
 Chrome-vanadium steel.



50550

AF mm	Length approx. mm	50550	...	AF mm	Length approx. mm	50550	...
8 x 9	179.4	#	102	14 x 15	232.0	#	109
10 x 11	198.5	#	103	16 x 17	243.2	#	111
12 x 13	214.4	#	105				

50565

Heavy-duty double hexagonal drive ring wrenches



GEDORE

Quality
Vanadium 31 CrV 3.

Type
Deeply offset, chrome-plated, spring-loaded locking pin for extension bars (cat. no. 50566) on the end of the wrench.

Use
For heavy-duty applications.



50565

AF mm	Length approx. mm	Head height mm	Outer ring Ø mm	50565	...
24	180	16.0	38		201
27	190	17.0	42		202
30	200	18.0	46		203
32	235	19.0	52		204
34	235	19.0	52	#	205
36	245	20.0	58		206
41	265	22.0	62		208
46	280	24.0	69		209
50	290	25.5	76		210

AF mm	Length approx. mm	Head height mm	outer ring Ø mm	50565	...
55	300	28.0	82		211
60	345	30.5	90		212
65	355	33.0	98		213
70	365	35.5	106		214
75	375	38.0	114		215
80	385	40.0	122	#	216
85	385	40.0	130	#	217
90	410	45.0	142	#	218
95	410	45.0	142	#	219

50566

Extension bars for drive ring wrenches

GEDORE

Quality
Tubular steel, chrome-plated.



50566

for AF mm	Length approx. mm	Inner pipe Ø mm	50566	...
24 - 30	460	19		201
32 - 41	610	22		202

For AF mm	Length approx. mm	Inner pipe Ø mm	50566	...
46 - 55	760	25		203
60 - 95	860	30		204

50568

Engine block (obstruction) wrenches

GEDORE

Quality
Vanadium 31 CrV 3.

Type
Thin-walled rings with UD profile, chrome-plated.

Use
For work on engine blocks.



50568

AF mm	Length approx. mm	Head thickness mm	Outer ring-Ø mm	50568	...
11 x 13	150	7.0/8.5	17.0/20.5		101
14 x 16	185	8.7/10.3	21.5/24.5	#	102
15 x 17	185	8.7/10.3	23.0/25.5		103

AF mm	Length approx. mm	head thickness mm	outer ring Ø mm	50568	...
16 x 18	185	8.7/10.3	24.5/27.0		104
19 x 22	230	10.0/11.5	28.0/32.5		105

50570

Striking-face ring wrenches DIN 7444

GEDORE

Quality
Tempering steel.

Type
With UD profile.

Use
For heavy-duty applications.

Note:
Starting at AF 65 mm as standard double hexagonal.



50570

AF mm	Length approx. mm	Head height mm	Outer ring Ø mm	50570	...
27	180	15.5	47		101
30	190	16.5	52.5		102
32	195	16.5	54		103
34	195	16.5	54		104
36	205	19.5	60		105
41	225	20.5	66		106
46	240	22.5	75		107
50	250	23.5	80		109

AF mm	Length approx. mm	Head height mm	Outer ring Ø mm	50570	...
55	270	25.0	87.5		110
60	270	26.0	93.5		111
65	290	29.0	101		112
70	320	32.5	109.5		113
75	325	34.0	115		114
80	345	35.0	123	#	115
85	360	37.0	130		116



50582

Union nut key DIN 3118



Type
Open ring wrench with UD profile, chrome-plated.
Heads 15° angled, with reinforced connection between ring end and handle. Opening 15° offset.
Use
For union nuts on piping.

Quality
Vanadium 31 CrV 3.

Note:
50582 101-104 with hexagonal opening 30° offset.



50582

AF mm	Length approx. mm	Ring height mm	Outer ring Ø mm	50582	...
8 x 10	140	6.5/8.0	18/20		101
10 x 11	150	8.0/8.5	20/22		102
11 x 13	160	8.5/10.5	22/26		103
12 x 14	170	9.5/11.5	24/28		104
13 x 15	180	10.5/11.8	26/29		105
14 x 17	195	11.5/12.2	28/32		106

AF mm	Length approx. mm	Ring height mm	Outer ring Ø mm	50582	...
17 x 19	210	12.2/13.2	32/35		107
19 x 22	230	13.2/15.2	35/41		108
22 x 24	250	15.2/16.2	41/45		109
24 x 27	270	16.2/17.2	45/48		110
30 x 32	300	20.2/22.2	50/52		111

50650

Hook (sickle) wrenches DIN 1810 A



Type
With hook.
Use
For slotted nuts DIN 1804 and roller bearing nuts DIN 981.

Quality
Special steel, hardened, burnished.

Note:
() = DIN extended.
* = deviating from the DIN thickness.



50650

For nuts outside Ø mm	Overall length mm	Material thickness mm	50650	...
12 - 14	110	3		101
16 - 20	110	3		102
25 - 28	136	4		103
30 - 32	136	4		104
34 - 36	170	5		105
(38 - 45)	170	5		127
40 - 42	170	5		106
45 - 50	206	6		107
52 - 55	206	6		108
58 - 62	240	7		109

For nut outside Ø mm	Overall length mm	Material thickness mm	50650	...
(65 - 70)	240	7		128
68 - 75	240	7		110
80 - 90	280	8		111
(85 - 92)	280	8		129
95 - 100	280	8		112
(98 - 105)	290	8		130
110 - 115	335	10		113
120 - 130	335	10		114
135 - 145	385	*10		115
155 - 165	385	*10		116

50653

Hook (sickle) wrenches DIN 1810 B



Type
With pilot
Use
For capstan nuts DIN 1816.

Quality
Special steel, hardened, burnished.



50653

For nuts outside Ø mm	Pilot Ø mm	Overall length mm	Material thickness mm	50653	...
12 - 14	2.0	110	3	#	101
16 - 18	2.5	110	3		102
20 - 22	2.5	110	3		103
25 - 28	3.0	136	4		104
30 - 32	4.0	136	4		105
34 - 36	4.0	170	5		106
40 - 42	4.0	170	5		107
45 - 50	5.0	206	6		108
52 - 55	5.0	206	6		109

For nuts outside Ø mm	Pilot mm	Ø Overall length mm	Material thickness mm	50653	...
58 - 62	5.0	240	7		110
68 - 75	6.0	240	7		111
80 - 90	6.0	280	8		112
95 - 100	8.0	280	8		113
110 - 115	8.0	335	8		114
120 - 130	8.0	335	8		115
135 - 145	8.0	380	8		116
155 - 165	8.0	380	8		117

50656

Adjustable hook (sickle) wrenches



Type
With hook and gear teeth.
Use
For slotted nuts DIN 1804 and roller bearing nuts DIN 981.

Quality
Special steel, ground, hardened, burnished.



50656

For nut outside-Ø mm	Overall length mm	Material thickness mm	50656	...
20 - 42	180	4		101
45 - 90	240	6		102
95 - 165	335	10		103



50659

Adjustable hook (sickle) wrenches



Type
With hook and hanging hole.
Use
For slotted nuts DIN 1804 and roller bearing nuts DIN 981.

Quality
Special steel, hardened, burnished.

50659



For nut outside Ø mm	Overall length mm	Material thickness mm	50659	...
20 - 35	165	4	101	
35 - 60	210	5	102	
60 - 90	280	6	103	

For nut outside Ø mm	Overall length mm	Material thickness mm	50659	...
90 - 155	335	7	104	
155 - 230	460	8	105	

50662

Adjustable hook (sickle) wrenches



Type
With fixed pilot and hanging hole. Hook and pin made of one piece.
Use
For capstan nuts DIN 1816.

Quality
Special steel, hardened, burnished.

50662



For nut outside-Ø mm	Overall length mm	Pilot nominal Ø mm	50662	...
22 - 35	165	3.0	102	
35 - 60	205	4.0	104	
60 - 90	280	6.0	106	

For nut outside Ø mm	Overall length mm	pin nominal Ø mm	50662	...
95 - 155	335	6.0	108	
165 - 230	460	10.0	110	

50665

Hinged pin type face wrenches



Type
With electrically welded pilots and a hanging hole.
Use
For two-hole nuts.

Quality
Special steel, burnished.

50665



Pilot spacing mm	Pilot Ø mm	Length mm	Material thickness mm	50665	...
18 - 40	3	150	5	101	
18 - 40	4	150	5	102	
40 - 80	4	220	6	103	
40 - 80	6	220	6	105	

Pilot spacing mm	Pilot Ø mm	Length mm	Material thickness mm	50665	...
80 - 125	6	295	8	106	
80 - 125	8	295	8	108	
125 - 200	8	405	10	109	
125 - 200	10	405	10	110	

50668

Adjustable face wrenches



Type
With riveted and with electrically welded pilots from a pin distance of 11-60 mm.
Use
For two-hole nuts.

Quality
Special steel, burnished.

50668



Pilot spacing mm	Overall length mm	Pilot nominal Ø mm	50668	...
7 - 40	115	1.5	101	
7 - 40	115	2.0	102	
7 - 40	115	2.5	103	
11 - 60	160	3.0	104	
11 - 60	160	4.0	105	

Pilot spacing mm	Overall length mm	Pilot nominal Ø mm	50668	...
11 - 60	160	5.0	106	
14 - 100	215	5.0	107	
14 - 100	215	6.0	108	
22 - 125	260	8.0	110	
22 - 125	260	10.0	111	



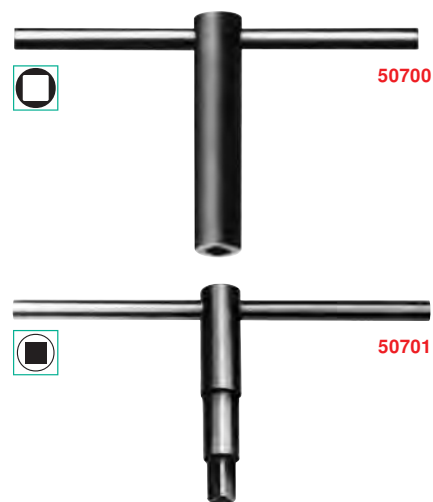
Socket wrenches | Wrenches for electrical cabinets

50700 - 50701 Square socket wrench DIN 904/905

Quality
Special steel, hardened and burnished.

○ Outer square wrench DIN 904			
AF mm	Shank length x Ø mm	50700	...
4	50 x 8	#	201
5	60 x 12		202
6	80 x 12		203
7	80 x 16		204
8	80 x 16		205
9	85 x 17		206
10	100 x 20		207
12	100 x 24		208
13	100 x 24	#	209
14	120 x 28		210
17	160 x 33		211
19	200 x 35		212
22	200 x 40		213

● Inner square wrench DIN 905			
AF mm	Shank length x Ø mm	50701	...
4	55 x 8	#	201
5	60 x 12	#	202
6	80 x 12		203
7	80 x 12	#	204
8	80 x 16		205
9	80 x 16		206
10	100 x 20		207
11	100 x 20		208
12	100 x 24		209
13	100 x 24	#	210
14	120 x 28		211
17	160 x 34		212
19	200 x 36	#	213



50704 Triangular outer square wrench DIN 22417

Type
Hot forged, tempered, galvanised, with sliding T-handle.

Use
For triangular screws DIN 22424 and triangular nuts DIN 22425.

Quality
Seamless precision tubular steel.



For triangular-screws	Wrench length mm	Handle length x Ø mm	50704	...
M 4	90	50 x 4		101
M 5	100	63 x 5		102
M 6	112	80 x 6		103

For triangular screws	Wrench length mm	Handle length x Ø mm	50704	...
M 8	125	100 x 6		104
M 10	140	125 x 8		105
M 12	160	160 x 10		106

System Prefab Office SHB 50



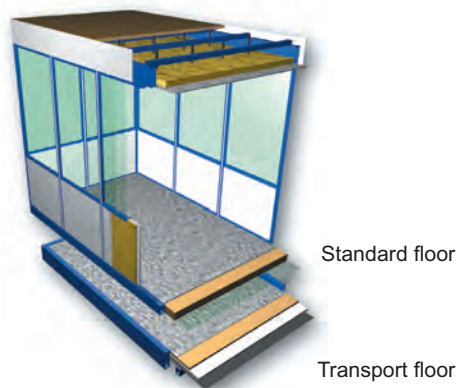
Use

Individual spatial concepts - turnkey solutions.

The Prefab Office SHB 50 is the optimal spatial solution - from the small foreman's office to the 2-storey large facility with many advantages:

- Fast and easy installation through monoblock elements
- Optimal protection against noise and dust
- Effective use of space
- Turnkey solution
- Easy extensibility
- Cost-effective transferability
- Room heights to 3000 mm

Design



Additional information on request



1-storey spatial solution



2-storey spatial solution



Spatial solution on a platform



Transportable spatial solution

62325

Universal control cabinet key

62325 203

Functions:

- 1.-2. Square drive 6, 7-8 mm,
3. Inner triangular wrench 9 mm,
4. Wards 3-5 mm,
5. Double-bit on chain for slotted screws
1 x 7 mm + Phillips head screws PH2,
6. Plastic adapter 1/4 inch.

62325 201

Functions:

- 1.-2. Square drive 6, 7-8 mm,
3. Inner triangular wrench 8 mm,
4. Wards 3-5 mm,
5. Double-bit on chain for slotted screws
1 x 7 mm + Phillips head screws PH2,
6. Plastic adapter 1/4 inch.

62325 202

Functions:

1. Outer square 4-10 mm,
- 2.-4. Square drive 5, 7, 8 mm,
5. Inner triangular wrench 8 mm,
6. Double-bit on chain for slotted screws
1 x 7 mm + Phillips head screws PH2,
7. Plastic adapter 1/4 inch.

62325 206

For almost all technical locks, for example, in gas and water supply, air conditioning and ventilation technology, for access panels, locking of street lamps, waste containers, dumpsters, etc.

Functions:

- 1.-4. Square drive 5, 6, 7-8, 9-10 mm,
- 5.-7. Inner triangular wrench 7, 8-9, 10-11 mm,
8. Wards 3-5 mm,
9. Half-moon 6 mm.

62325 207

Made of zinc die-cast. For all common locks, control cabinets, main and sub-distributions, street lamps, litter bins, for radiator vent. 1/4 inch magnetic bit adapter. With belt clip.

Functions:

- 1.-3. Square drive 5, 6, 7-8 mm,
4. Inner triangular wrench 9 mm,
5. Wards 3-5 mm.

62325 205

Universal switch cabinet key, screwdriver and contactless, single-pole voltage tester. For all standard switch cabinets. Thanks to a universal 1/4 inch bit adapter, all commercially available bits can be inserted. A neodymium permanent magnet holds the bits securely in the adapter. With shirt clip.

Functions:

- 1.-2. Square drive 6, 7-8 mm,
3. Inner triangular wrench 9 mm,
4. Double-bit key 3-5 mm,
5. Bit Phillips PH2,
6. Plastic adapter for 1/4 inch bits,
7. Bleeding wrench 5 mm.

62325 203



62325 201



62325 202



62325 206



62325 207



62325 205



Size mm	Weight g	62325	...
45 x 45	50		203
72 x 72	70		201
90 x 60	79		202
96 x 92	204		206
98 x 25	85		207
158 x 28	135		205

62326

TwinKey universal control cabinet key

KNIPEX

Type

- 8-arm version: two 4-way spider keys connected in a space-saving way using magnets
- Reversible bit: 1.0 x 7 mm slot and PH 2 cross slot
- Key and reversible bit joined by stable stainless steel wire
- Weight-optimised zinc die-cast design
- Quality surface coating.

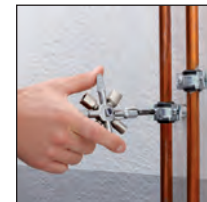
Use

Multifunction key for operating locks in the areas of building technology (heating and plumbing, air-conditioning and ventilation technology, electrical electro-technics), gas and water supply and shut-off systems.

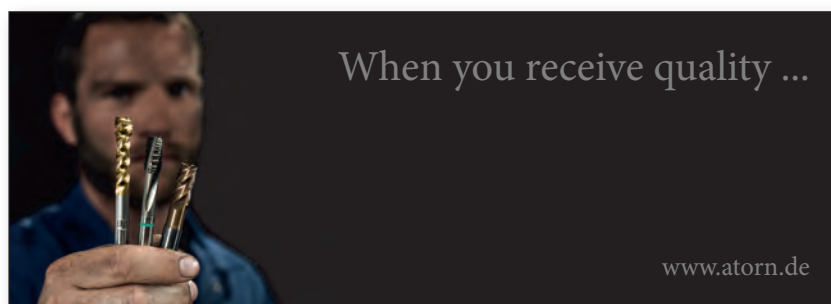
Functions:

- 1.-4. Square: 5 / 6-7 / 8-9 / 10-11 mm.
- 5.-7. Triangle: 7-8 / 9-10 / 11-12 mm,
8. Double-bit key: 3-5 mm,
9. Half-moon: 6 mm,
10. Step-like square: 6-9 mm.

62326



Length mm	Weight g	62326	...
95	135		101



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Performance requires quality



Socket wrenches | Spider wrenches

50707 - 50708 Hexagonal socket wrenches DIN 896 B



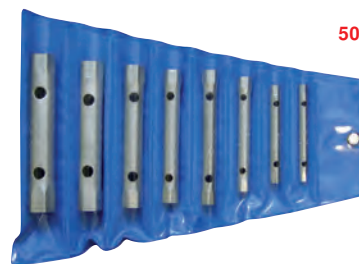
Type
Double-sided, hardened and tempered.

Quality
Hardened, chrome-plated.

50707
Type
Set with stepped cross bar.



50707 102



50707 101



50708

Set contents				Type	50707	...			
AF mm									
8-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22			in plastic bag		101			
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32			in plastic bag		102			
AF mm	Length approx. mm	Straight shaft (tommy bar) borehole mm	50708	...	AF mm	Length approx. mm	straight shaft (tommy bar) borehole mm	50708	...
6 x 7	110	5.3	301		19 x 22	170	12.5	313	
8 x 9	110	6.3	302		20 x 22	170	12.5	314	
8 x 10	120	6.3	303		21 x 23	170	14.5	315	
10 x 11	120	6.3	304		22 x 24	190	14.5	317	
10 x 13	140	6.3	328		24 x 26	190	14.5	318	
12 x 13	140	8.5	305		24 x 27	190	14.5	319	
14 x 15	140	8.5	306		25 x 28	200	16.5	# 320	
14 x 17	150	10.5	307		27 x 30	200	16.5	321	
16 x 17	150	10.5	308		30 x 32	200	16.5	322	
17 x 19	160	12.5	310		32 x 36	220	18.5	324	
18 x 19	160	12.5	311		36 x 41	220	18.5	325	

50738 - 50739 Solid hexagonal socket wrenches DIN 896 A, ISO 2236/1085



Type
Titacrom chrome-plated, with hexagon shank for attaching open-end wrenches. Straight shaft (tommy bar) borehole, through hole.

Quality
Chrome-vanadium steel.

50738
Type
Insert with a stepped cross bar for AF 6-15 mm and 16-32 mm.



50739

Set contents				Type	50738	...					
AF mm											
12-piece	6 x 7 / 8 x 9 / 10 x 11 / 12 x 13 / 14 x 15 / 16 x 17 / 18 x 19 / 20 x 22 / 21 x 23 / 24 x 27 / 25 x 28 / 30 x 32			in cardboard box		115					
AF mm	Length approx. mm	Outside head Ø mm	Straight shaft (tommy bar) borehole mm	50739	...	AF mm	Length approx. mm	Outside head Ø mm	Straight shaft (tommy bar) borehole mm	50739	...
6 x 7	105	10 / 11	4	201		18 x 19	165	25 / 26	8	211	
8 x 9	110	13 / 14	4	202		20 x 22	170	28 / 30	9	213	
10 x 11	120	15 / 16	5	203		21 x 23	185	29 / 31	10	# 214	
12 x 13	140	18 / 19	5.5	204		24 x 27	190	33 / 35	12	217	
14 x 15	145	20 / 22	6	207		25 x 28	205	34 / 37	12	# 218	
16 x 17	155	23 / 24	7	209		30 x 32	210	40 / 42	14	219	

50749 - 50750 T-bars for socket wrenches

Type
Solid, straight shaft.

Quality
Hardened, zink-plated.

not stepped DIN 900

Ø mm	Length approx. mm	50749	...
5	125	201	
6	160	202	
8	180	203	
10	200	204	
12	250	205	
14	320	206	
16	400	# 207	
18	500	208	



50749



50750 101



50750 102

Ø mm	Length approx. mm	stepped 50750	...
5 / 6 / 8 / 10 / 12	180	101	
5 / 6 / 8 / 10 / 12 / 14 / 16	245	102	

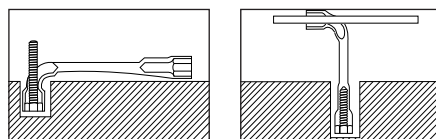
50760

Heavy curved socket wrench ISO 2236



Type
Hexagonal, specific hole enables pins or cross bars to be inserted. Hollow body and pre-drilled socket head for overlapping and also very long bolts. Chrome-plated, polished.

Quality
Chrome-vanadium steel.



50760

AF mm	Length approx. mm	50760	...
6	102	101	
7	106	102	
8	114	103	
9	122	104	
10	129	105	
11	136	106	
12	144	107	
13	152	108	

AF mm	Length approx. mm	50760	...
14	160	109	
15	169	110	
16	178	111	
17	187	112	
18	195	113	
19	204	114	
21	221	#	116
22	230		117

AF mm	Length approx. mm	50760	...
24	250		119
27	280	#	122
30	310	#	125
32	330	#	127
34	350	#	129
36	370	#	131

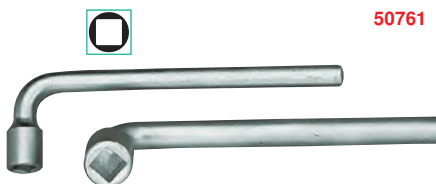
50761 - 50762

Heavy curved socket wrench

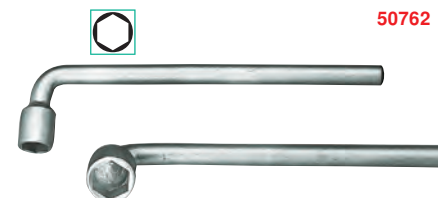


Type
With solid head and particularly large head depth for protruding bolts, chrome-plated.

Quality
Vanadium 31 CrV 3.



50761



50762

AF mm	Length mm	Square	50761	...
8	150		103	
10	175		105	
12	215		107	
13	230		108	
14	240		109	
17	280		110	

AF mm	Length mm	6-point	50762	...
10	160	#	201	
13	200	#	203	
14	215	#	204	
16	240	#	206	
17	250		207	
18	265	#	208	
19	280		209	
21	305	#	211	

AF mm	Length mm	6-point	50762	...
22	315	#	212	
24	345		214	
27	380	#	217	
30	420	#	220	
32	450	#	222	
36	500	#	226	
41	560	#	231	

50765 - 50766

4-way spider keys DIN 3119



50765 201
Type
With reinforced centre section for protection, silver.

Use
For car wheel nuts in metric and imperial sizes.

Quality
Vanadium 31 CrV 3.



50765 202
Type
With 3/4 inch square, for mounting socket wrench bits, silver.

Use
For trucks, agricultural equipment, tractors and industrial applications.

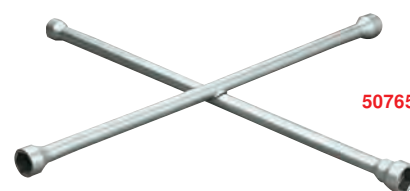
Quality
Vanadium 31 CrV 3.



50766
Type
With 1/2 inch square, for mounting socket wrench bits. Chrome-plated, ground heads, heads and centre piece forged, heads and lever arms hardened (up to 500 Nm), long lever arms.

Use
For cars, light-duty commercial vehicles and construction site equipment.

Quality
Chrome-vanadium steel.



50765



50766

Wrench size mm	Length mm	50765	...	50766	...
17 x 19 (3/4 inch) x 21 x 11/16 inch	420			201	
24 x 27 x 32 x 3/4 inch	750			202	
17 x 19 x 22 x 1/2 inch connection square	420				201



50769 Tyre and mounting lever

50769 102-108



Quality
Chrome-vanadium steel.

50769 102

Double-T profile, chrome-plated.
For cars and light-duty commercial vehicles.

50769 107

Silver-grey. Especially suitable for tubeless tyres.

50769 108

Silver-grey. Heavy-duty version for commercial vehicles.

50769 203-206

Type

Double-T profile, chrome-plated, profiled, drop-forged.

Quality

Chrome-vanadium steel.

50769 102



50769 107



50769 108



50769 203-206



Overall length approx. mm	50769	...	50769	...
199		102		
303			203	
396			204	
456		107		
500			205	
598		108		206

50770 Tyre and mounting lever

Type

Double-T profile for good stability.
With screwed-on, exchangeable plastic cover.

Use

For mounting and removing of tyres from steel rims and especially aluminium rims.

Quality

Chrome-vanadium steel.

50770



Length mm	50770	...
500		104



50772 Tyre levers



Type

Chrome-plated.

Use

For lifting up the cylinder head, loosening tightly-rusted parts, driving in and out bearings and bearing shells, installing and removing springs, bolts, gears, etc.

Quality

Chrome-vanadium.

50772 201



50772 202



50772 203



Overall length mm	50772	...
400		201
400		202
600		203

50774 Set of tyre levers



Type

Chrome-plated. With strong 2-component handle for a secure grip and comfort.
With hanging hole.

Quality

Chrome-vanadium steel.

50774



Set contents	Length mm	Type	50774	...
4-piece	200 / 300 / 450 / 600	in plastic box		101

50773 Tyre levers



Type

With angled blade and handle.

50773

Length mm	50773	...
400		101
500		102
600		103
800		104



50775

Socket wrench set, M-Tec



felo

Type

Smart handle reversing blade system is a screwdriver and T handle in one. Socket wrench with M-Tec function: A spring-loaded magnet body holds the screw or nut and can be placed securely even in hard-to-reach places. When the threads are long, the magnet retreats, so that even long stud bolts can be accommodated in the large socket wrench tube.

Quality

Chrome-vanadium steel.

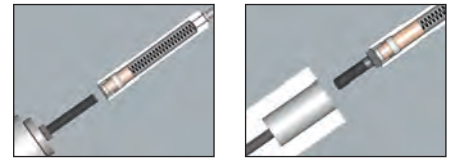


50775

Set contents

- 7 M-Tec socket wrench AF 5.5 / 6 / 7 / 8 / 10 / 13 / 17 mm
- Each with 1 bit holder 1/4 inch x 58 mm, bit holder 1/4 inch x 155 mm
- ⊕ 2 Bits for phillips recess head screws C 6.3 x 25 mm PH 1 / 2
- ⊕ 2 Bits for phillips recess head screws C 6.3 x 25 mm PZ 1 / 2
- ⊖ 2 Bits for slotted screws C 6.3 x 25 mm 3.5 x 0.6 / 5.0 x 0.8 mm
- ★ 4 Bits for TORX® screws C 6.3 x 25 mm TX 15 / 20 / 25 / 30
- 1 Handle 105 x 39 mm

Set contents	Type	50775	...
20-piece	in strong box (230 x 130 x 56 mm)		201



50787

Hexagonal socket wrenches DIN 3125

H+W

Type

Long, chrome-plated, hexagonal socket, large socket depth for projecting bolts, with impact-proof plastic grip. Blade length 125 mm.

Quality

Chrome-vanadium steel.

AF mm	50787	...
3		101
3.5		102
4		103
4.5		104
5		105
5.5		106

AF mm	50787	...
6		107
7		108
8		109
9		110
10		111
11		112



50787

AF mm	50787	...
12		113
13		114
14		115
15		116
16		117
17		118

50788

Hexagonal socket wrenches with flexible shank

H+W

Type

Long type, with flexible shank, large socket depth. Shaft stands a torque value of 12 Nm in both directions. Shaft length 100 mm.

Use

For worm threads, hose clamps and projecting bolts.

Quality

Chrome-vanadium steel.

AF mm	Overall length mm	50788	...
6	255		101
7	255		102
8	255		103



50788

50795

Hexagonal socket wrench set

Wera

Type

Round blade with hollow shank, nicromatt. Kraft-form handle with hard and soft zones as well as roll-off protection.

Use

For outer hexagon screws in accordance with DIN 475/2. Suitable for all screw connections with threaded bars thanks to the hollow shank.



50795

Set contents	Type	50795	...
7-piece AF mm			
5 x 70 / 5.5 x 70 / 6 x 70 / 7 x 80 / 8 x 80 / 10 x 80 / 13 x 80	in cardboard box		101



Socket wrenches

50802

VDE Hexagonal socket wrench DIN 3125



- Type**
- Manufactured to IEC 60900:2004
 - Blade through-hardened, burnished
 - Inner hole for protruding threaded shanks
 - Blade insulation sprayed directly onto the blade
 - Wiha SoftFinish® multi-component handle

Use
Especially suitable for hat nuts and nuts on long bolts or threaded bars as well as for working in hard-to-reach places.

Quality
Chrome-vanadium steel blade.



50802

AF mm	50802	...
4.0		303
5.0		305
5.5		306
6.0		307
7.0		309

AF mm	50802	...
8.0		311
9.0		312
10.0		313
11.0		314
12.0		315

AF mm	50802	...
13.0		316
14.0		317
17.0		320

Hand Tools

50803

Socket wrench set, M-Tec



Type

Socket wrench with M-Tec function: A spring-loaded magnet bodies holds the screw or nut and can be placed securely even in hard-to-reach places. When the threads are long, the magnetic body can slip away, so that even long stud bolts can be accommodated in the large socket wrench tube.

Extension with wobble-function (swivel angle 30°) **and with lock-function** (rigid).

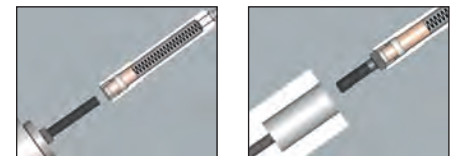
- ERGONIC, the first handle that adjusts to your hand:**
- The handle always fills out your hand in the best way
 - Hand and handle interlocks and the force decreases
 - This makes possible higher torques and prolonged effortless working
 - The flexibility of the material also increases the sensitivity and enables the precise use of force
 - The core of the handle is made of impact-proof hard plastic that is coated with a resistant elastic handle body which has pads of highly flexible plastic embedded in it
 - Smooth cap without seams for less friction
 - Grip head with roll-off protection
 - Transverse hole for hanging the tools or for the insertion of a lever



50803

Set contents	
6	M-Tec socket wrench AF 5.5 / 6 / 7 / 8 / 10 / 13 mm
1	ratchet with ERGONIC handle 72 teeth swivel angle 5°
1	ERGONIC handle blade length 100 mm
1	Extension 100 mm
1	Universal joint

Set contents	Type	50803	...
10-piece	in strong box (230 x 130 x 56 mm)		101



50807

Hexagonal socket wrench



Type

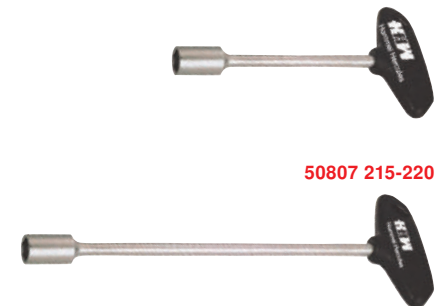
With T-handle made of impact-proof, black plastics. Hardened, nickel-plated, inner hole for projecting screws.

Quality
Chrome-vanadium steel.

50807 203-212

AF mm	Blade length mm	50807	...
7	125		203
8	125		204
10	125		205
11	125		206
12	125		207
13	125		208
14	125		209
15	125		210
16	125		211
17	125		212

AF mm	Blade length mm	long 50807	...
L 8	350		215
L 10	350		216
L 11	350	#	217
L 12	350		218
L 13	350		219
L 14	350	#	220



50807 215-220