



**Modular
Insulated
Handtools**

MODULAR INSULATED HANDTOOLS

Intercable Modular Insulated Handtools

Tools realized in shockproof insulated material:

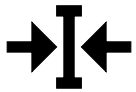
- Insulation made of shockproof resin

Norms:

- ISO 1174-1
- DIN 3120



Tools are also suitable for very low temperature use: down to -40°C



Interchangeable



Square connection, size 1/2" or 3/8" in compliance with ISO 1174-1 Standards

intercable
Locking
System

Patented lock device (Intercable Locking System) that guarantees a coupling in compliance with IEC 60900 Standards for any bush carrying a square fitting according to ISO 1174 DIN 3120 Standards

INSULATED HANDLES

SERIES 3/8" AND 1/2"



Insulated T Wrench

- Lock device actuated by a single hand
- Two-component insulation with excellent grip handle
- Square connection in compliance with ISO1174 DIN 3120 Standards

Description	Order No.	Dimensions	Weight
T wrench Size 3/8"	1501 2	210 x 160 mm	240 g
T wrench Size 1/2"	1501 1	195 x 160 mm	340 g

1000V
 IEC 60900
 DIN7436



Insulated Reversible Ratchet Wrench

- Lock device actuated by a single hand
- Two-component insulation with excellent grip handle
- Reverse commutator
- Square connection in compliance with ISO1174 DIN 3120 Standards

Description	Order No.	Dimensions	Weight
Ratchet wrench Size 3/8"	1502 2	200 x 65 mm	250 g
Ratchet wrench Size 1/2"	1502 1	260 x 75 mm	525 g

1000V
 IEC 60900
 DIN7449



Insulated Cross Socket Tool for 4 Inserts

- Square ends made of alloyed and hardened steel, galvanically separated
- Insulation of non-brittle plastic
- For 8 - 22 mm SW standard socket pieces
- Inserts can be locked in place
- Expanding ball interlock system for inserts

Description	Order No.	Dimensions	Weight
Cross Socket Tool Size 3/8"	1214 00	150 x 150 mm	180 g
Cross Socket Tool Size 1/2"	1213 99	150 x 150 mm	340 g

1000V
 IEC 60900

INSULATED TORQUE HANDLES

SERIES 3/8" AND 1/2"



Insulated Torque Wrench

- Fixed adjusted torque in compliance with EN26789 ($\pm 6\%$ tolerance from rated value)
- Lock device actuated by one hand
- Square connection in compliance with ISO1174 DIN3120 in sizes 3/8" and 1/2"

Description	Order No.	Torque	Dimensions	Weight
Torque wrench Size 3/8"	1508 008	8 Nm	110 x 160 mm	400 g
	1508 010	10 Nm	140 x 160 mm	400 g
	1508 012	12 Nm	140 x 160 mm	400 g
	1508 015	15 Nm	140 x 160 mm	400 g
	1508 020	20 Nm	140 x 160 mm	400 g
	1508 025	25 Nm	140 x 160 mm	400 g
Torque wrench Size 1/2"	AC3708	8 Nm	110 x 160 mm	560 g
	AC3710	10 Nm	140 x 160 mm	560 g
	AC3712	12 Nm	140 x 160 mm	560 g
	AC3715	15 Nm	140 x 160 mm	560 g
	AC3720	20 Nm	140 x 160 mm	560 g
	AC3725	25 Nm	140 x 160 mm	560 g

Insulated Torque Limiter (with Galvanic Separation)

- Torque limitation switch in compliance with EN 6789
- Lock device actuated by one hand
- Square connection in compliance with ISO1174 DIN3120 in sizes 3/8" and 1/2"
- Insulation according to EN 60900
- Galvanic isolation



Description	Order No.	Torque	Dimensions	Weight
Torque limiter Size 3/8"	1509 007	7 Nm	37 x 152 mm	430 g
	1509 008	8 Nm	37 x 152 mm	430 g
	1509 010	10 Nm	37 x 152 mm	430 g
	1509 012	12 Nm	37 x 152 mm	430 g
	1509 015	15 Nm	37 x 152 mm	430 g
	1509 020	20 Nm	37 x 152 mm	430 g
	1509 025	25 Nm	37 x 152 mm	430 g
	Torque limiter Size 1/2"	AC3807	7 Nm	37 x 154 mm
AC3808		8 Nm	37 x 154 mm	460 g
AC3810		10 Nm	37 x 154 mm	460 g
AC3812		12 Nm	37 x 154 mm	460 g
AC3815		15 Nm	37 x 154 mm	460 g
AC3820		20 Nm	37 x 154 mm	460 g
AC3825		25 Nm	37 x 154 mm	460 g

Insulated Adjustable Torque Ratchet

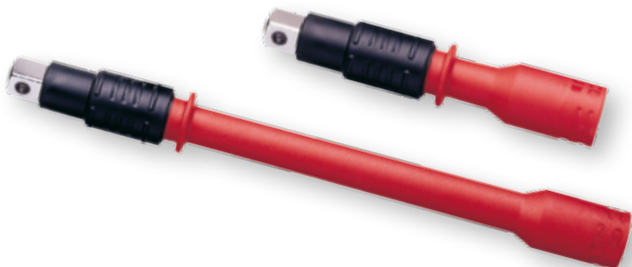
- Made of alloyed and hardened steel
- Anticlockwise rotation without limitation
- Adjustable torque
- Professional multi-coated insulation
- When adjusted setting is achieved, the ratchet head drops sideways, which can be felt and heard
- Please observe operating instructions
- Suitable for all types of screwdriver heads
- Adjustment tolerance can be $\pm 10\%$ of the nominal value



Description	Order No.	Torque	Dimensions	Weight
Torque ratchet Size 3/8"	1319 37	10-50 Nm	75 x 280 mm	700 g
	1319 38	10-50 Nm	75 x 350 mm	900 g
Torque ratchet Size 1/2"	1319 11	10-50 Nm	75 x 280 mm	700 g
	1319 12	10-50 Nm	75 x 350 mm	1000 g
	1319 31	30-130 Nm	75 x 465 mm	1300 g

INSULATED EXTENSIONS AND ADAPTERS

SERIES 3/8" AND 1/2"



Insulated Extension Bar

- Made of alloyed steel
- Fixing of inserts by expanding ball
- Expanding ball bearings by means of threaded pin
- Insulation of shock proof plastic
- Suitable for all types of screwdriver heads
- Patented lock device that guarantees a coupling in compliance with DIN IEC 60900, Standards for any brush carrying a square fitting according to ISO-DIS 1174-1/DIN 3120 Standard.

Description	Order No.	Length	Weight
Extension bar Size 3/8"	1503 2125 1503 2250	125 mm 250 mm	140 g 300 g
Extension bar Size 1/2"	1503 1125 1503 1250	125 mm 250 mm	200 g 400 g



DIN7434



Insulated Special Reducer 1/2" to 3/8"

- Reducer from 1/2" to 3/8"
- Lock device actuated by a single hand
- Square connection in compliance with ISO1174 DIN 3120 Standards

Description	Order No.	Length	Weight
Special Reducer	1503 1238	125 mm	145 g



Insulated Special Enlarger 3/8" to 1/2"

- Enlarger from 3/8" to 1/2"
- Dip Insulation

Description	Order No.	Length	Weight
Special Enlarger	1322 38	125 mm	100 g



INSULATED SOCKETS

SERIES 3/8"



DIN7448
DIN3124



fig. 1



Insulated 12-Point Female Socket 3/8"

- Greatly reduced outside diameter for use on screws in hard-to-get-at positions
- Square connection to ISO1174 DIN3120 Standards

Description	Order No.	Ⓜ Size	Length	Weight
12-Point female socket Size 3/8"	1352 06*	6	45 mm	22 g
	1352 07*	7	45 mm	23 g
	1504 208	8	45 mm	30 g
	1352 09*	9	45 mm	28 g
	1504 210	10	45 mm	31 g
	1504 211	11	45 mm	31 g
	1504 212	12	45 mm	32 g
	1504 213	13	45 mm	32 g
	1504 214	14	45 mm	35 g
	1352 15*	15	45 mm	38 g
	1504 216	16	45 mm	37 g
	1504 217	17	45 mm	40 g
	1504 218	18	45 mm	42 g
	1504 219	19	45 mm	45 g
	1352 20*	20	45 mm	70 g
	1352 21*	21	45 mm	83 g
	1504 222	22	45 mm	47 g
	1352 24*	24	45 mm	112 g

*Bush with Diip insulation (fig.1)

Extra Deep Insulated 12-Point Female Socket 3/8"

- Extra deep version - min. 70 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓜ Size	Length	Weight
Extra deep 12-Point female socket Size 3/8"	1353 08	8	75 mm	50 g
	1353 09	9	75 mm	55 g
	1353 10	10	75 mm	63 g
	1353 11	11	75 mm	67 g
	1353 12	12	75 mm	70 g
	1353 13	13	75 mm	77 g
	1353 14	14	75 mm	85 g
	1353 15	15	75 mm	100 g
	1353 16	16	75 mm	113 g
	1353 17	17	75 mm	122 g
	1353 18	18	75 mm	130 g
	1353 19	19	75 mm	144 g
	1353 20	20	75 mm	150 g
	1353 21	21	75 mm	160 g
	1353 22	22	75 mm	185 g
	1353 23	23	75 mm	210 g
	1353 24	24	75 mm	250 g
1353 27	27	75 mm	315 g	

INSULATED SOCKETS

SERIES 3/8"

Long Insulated 12-Point Female Socket 3/8"

- Long version - 140 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓢ Size	Length	Weight
Long 12-Point female socket Size 3/8"	1351 10	10	140 mm	140 g
	1351 11	11	140 mm	148 g
	1351 12	12	140 mm	152 g
	1351 13	13	140 mm	161 g
	1351 14	14	140 mm	173 g
	1351 15	15	140 mm	180 g
	1351 16	16	140 mm	195 g
	1351 17	17	140 mm	205 g
	1351 18	18	140 mm	213 g
	1351 19	19	140 mm	223 g
	1351 20	20	140 mm	230 g
	1351 21	21	140 mm	238 g
1351 22	22	140 mm	250 g	

Extra Long Insulated 12-Point Female Socket 3/8"

- Extra Long version - 270 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓢ Size	Length	Weight
Extra long 12-Point female socket Size 3/8"	1357 12	12	270 mm	287 g
	1357 13	13	270 mm	295 g
	1357 14	14	270 mm	300 g
	1357 17	17	270 mm	351 g
	1357 18	18	270 mm	370 g
	1357 19	19	270 mm	385 g
	1357 21	21	270 mm	420 g
	1357 22	22	270 mm	445 g
	1357 24	24	270 mm	480 g
	1357 27	27	270 mm	520 g

INSULATED SOCKETS

SERIES 3/8"



ISO691

Short Insulated Male Hex Socket 3/8"

- Short version - 50 mm
- Square connection to ISO1174 DIN3120 Standards

Description	Order No.	⊙ Size	Length	Weight
Short male hex socket Size 3/8"	1505 204	4	50 mm	28 g
	1505 205	5	50 mm	29 g
	1505 206	6	50 mm	30 g
	1505 208	8	50 mm	33 g

Insulated Male Hex Socket 3/8"

- Normal version - 90 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation

Description	Order No.	⊙ Size	Length	Weight
Male hex socket Size 3/8"	1403 02	2	90 mm	27 g
	1403 25	2,5	90 mm	52 g
	1403 03	3	90 mm	49 g
	1403 04	4	90 mm	50 g
	1403 05	5	90 mm	56 g
	1403 06	6	90 mm	60 g
	1403 07	7	90 mm	66 g
	1403 08	8	90 mm	78 g
	1403 09	9	90 mm	75 g
	1403 10	10	90 mm	103 g
	1403 11	11	90 mm	114 g
	1403 12	12	90 mm	124 g
	1403 13	13	90 mm	135 g
	1403 14	14	90 mm	118 g



ISO691

Medium Long Insulated Male Hex Socket 3/8"

- Medium long version - 120 mm
- Square connection to ISO1174 DIN3120 Standards

Description	Order No.	⊙ Size	Length	Weight
Medium long male hex socket Size 3/8"	1506 204	4	120 mm	49 g
	1506 205	5	120 mm	54 g
	1506 206	6	120 mm	69 g
	1506 208	8	120 mm	70 g



ISO691

Long Insulated Male Hex Socket 3/8"

- Long version - 140 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation

Description	Order No.	⊙ Size	Length	Weight
Long male hex socket Size 3/8"	1401 05	5	140 mm	63 g
	1401 06	6	140 mm	73 g
	1401 08	8	140 mm	90 g
	1401 10	10	140 mm	151 g



ISO691

Extra Long Insulated Male Hex Socket 3/8"

- Extra Long version - 265 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation

Description	Order No.	⊙ Size	Length	Weight
Extra long male hex socket Size 1/2"	1407 05	5	265 mm	89 g
	1407 06	6	265 mm	109 g
	1407 08	8	265 mm	156 g
	1407 10	10	265 mm	219 g



ISO691

INSULATED SOCKET DRIVE SETS

SERIES 3/8"



Combi Set Series 3/8"

Equipment:

- Insulated T Wrench..... 1501 2
- Insulated Reversible Ratchet Wrench..... 1502 2
- Insulated Extension Bar 125 mm..... 1503 2125
- Insulated Extension Bar 250 mm..... 1503 2250
- Insulated 12-Point Female Sockets 8-10-13-14-17-19-22 1504 2...
- Short Insulated Male Hex Sockets 4-5-6-8..... 1505 2...
- Resin case..... 1588 001

Description	Order No.	Dimensions	Weight
Combi Set	1598 001	275 x 65 x 210 mm	1,5 kg



Basis Ratchet Set Series 3/8"

Equipment:

- Insulated Reversible Ratchet Wrench..... 1502 2
- Insulated 12-Point Female Sockets 8-10-13-17-19-22 1504 2...
- Medium Long Insulated Male Hex Sockets 4-5-6..... 1506 2...
- Resin case..... 1588 002

Description	Order No.	Dimensions	Weight
Basis Ratchet Set	1598 002	225 x 50 x 180 mm	1,0 kg



Basis T Wrench Set Series 3/8"

Equipment:

- Insulated T Wrench..... 1501 2
- Insulated 12-Point Female Sockets 10-13-14-17-19-22 1504 2...
- Short Insulated Male Hex Sockets 5-6-8..... 1505 2...
- Medium Long Insulated Male Hex Sockets 5-6 1506 2...
- Resin case..... 1588 002

Description	Order No.	Dimensions	Weight
Basis T Wrench Set	1598 004	275 x 65 x 210 mm	1,0 kg



Torque Wrench Set Series 3/8"

Equipment:

- Insulated Torque Wrench T 8-10-15Nm..... 1508 0...
- Medium Long Insulated Male Hex Sockets 4-5-6 1506 2...
- Resin case..... 1588 009

Description	Order No.	Dimensions	Weight
Torque Wrench Set	1598 009	275x 65 x 210 mm	2,0 kg



Torque Wrench Set Series 3/8" Reduced

Equipment:

- Insulated Torque Wrench T 20Nm..... 1508 020
- Short Insulated Male Hex Socket 8..... 1505 208
- Insulated 12-Point Female Socket 13..... 1504 213
- Resin case..... 1588 010

Description	Order No.	Dimensions	Weight
Torque Wrench Set red.	1598 010	192 x 40 x 140 mm	0,6 kg

INSULATED SOCKETS

SERIES 1/2"

Insulated 12-Point Female Socket 1/2"

- Greatly reduced outside diameter for use on screws in hard-to-get-at positions
- Square connection to ISO1174 DIN3120 Standards



DIN7448
DIN3124



fig. 1



Description	Order No.	Ⓢ Size	Length	Weight
12-Point female socket Size 1/2"	1354 08*	8	55 mm	53 g
	1354 09*	9	55 mm	53 g
	1504 110	10	55 mm	55 g
	1504 111	11	55 mm	56 g
	1504 112	12	55 mm	57 g
	1504 113	13	55 mm	58 g
	1504 114	14	55 mm	59 g
	1354 15*	15	55 mm	70 g
	1354 16*	16	55 mm	74 g
	1504 117	17	55 mm	63 g
	1354 18*	18	55 mm	82 g
	1504 119	19	55 mm	71 g
	1354 20*	20	55 mm	116 g
	1354 21*	21	55 mm	127 g
	1504 122	22	55 mm	87 g
	1354 23*	23	55 mm	140 g
	1504 124	24	55 mm	98 g
	1354 25*	25	55 mm	180 g
	1354 26*	26	55 mm	180 g
	1504 127	27	55 mm	121 g
	1354 30*	30	55 mm	252 g
	1504 132	32	55 mm	162 g
	1304 34*	34	55 mm	300 g

*Bush with Dip insulation (fig.1)

Extra Deep Insulated 12-Point Female Socket 1/2"

- Extra deep version - 95 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓢ Size	Length	Weight
Extra deep 12-Point female socket Size 1/2"	1355 08	8	95 mm	102 g
	1355 09	9	95 mm	105 g
	1355 10	10	95 mm	118 g
	1355 11	11	95 mm	120 g
	1355 12	12	95 mm	123 g
	1355 13	13	95 mm	127 g
	1355 14	14	95 mm	134 g
	1355 15	15	95 mm	140 g
	1355 17	17	95 mm	170 g
	1355 18	18	95 mm	188 g
	1355 19	19	95 mm	204 g
	1355 20	20	95 mm	210 g
	1355 22	22	95 mm	226 g
	1355 23	23	95 mm	241 g
	1355 24	24	95 mm	270 g
	1355 26	26	95 mm	300 g
	1355 27	27	95 mm	337 g
	1355 30	30	95 mm	390 g
	1355 32	32	95 mm	423 g

INSULATED SOCKETS

SERIES 1/2"

Long Insulated 12-Point Female Socket 1/2"

- Long version - 140 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓢ Size	Length	Weight
Long 12-Point female socket Size 1/2"	1356 10	10	140 mm	230 g
	1356 14	14	140 mm	253 g
	1356 17	17	140 mm	302 g
	1356 19	19	140 mm	312 g
	1356 22	22	140 mm	360 g
	1356 24	24	140 mm	403 g
	1356 27	27	140 mm	484 g
	1356 30	30	140 mm	510 g
	1356 32	32	140 mm	560 g

Extra Long Insulated 12-Point Female Socket 1/2"

- Extra Long version - 270 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	Ⓢ Size	Length	Weight
Extra long 12-Point female socket Size 1/2"	1358 13	13	270 mm	457 g
	1358 14	14	270 mm	480 g
	1358 17	17	270 mm	530 g
	1358 19	19	270 mm	550 g
	1358 24	24	270 mm	680 g
	1358 30	30	270 mm	800 g
	1358 32	32	270 mm	840 g

INSULATED SOCKETS

SERIES 1/2"



DIN7448
DIN3124



fig. 1



Insulated Male Hex Socket 1/2"

- Normal version - min. 85 mm
- Square connection to ISO1174 DIN3120 Standards

Description	Order No.	⊗ Size	Length	Weight
Male hex socket Size 1/2"	1505 104	4	85 mm	76 g
	1505 105	5	85 mm	78 g
	1505 106	6	85 mm	81 g
	1405 07*	7	90 mm	79 g
	1505 108	8	85 mm	84 g
	1505 110	10	85 mm	90 g
	1405 12*	12	90 mm	126 g
1405 14*	14	90 mm	158 g	

*Bush with Dip insulation (fig.1)

Long Insulated Male Hex Socket 1/2"

- Long version - 135 mm
- Square connection to ISO1174 DIN3120 Standards



ISO691

Description	Order No.	⊗ Size	Length	Weight
Long male hex socket Size 1/2"	1506 104	4	135 mm	83 g
	1506 105	5	135 mm	88 g
	1506 106	6	135 mm	95 g
	1506 108	8	135 mm	100 g
	1506 110	10	135 mm	107 g

Extra Long Insulated Male Hex Socket 1/2"

- Extra Long version - 265 mm
- Square connection to ISO1174 DIN3120 Standards
- Dip Insulation



Description	Order No.	⊗ Size	Length	Weight
Extra long male hex socket Size 1/2"	1408 05	5	265 mm	122 g
	1408 06	6	265 mm	143 g
	1408 08	8	265 mm	143 g
	1408 10	10	265 mm	185 g

INSULATED SOCKTE DRIVE SETS

SERIES 1/2"



Combi Set Series 1/2"

Equipment:

- Insulated T Wrench..... 1501 1
- Insulated Reversible Ratchet Wrench..... 1502 1
- Insulated Extension Bar 125 mm..... 1503 1125
- Insulated Extension Bar 250 mm..... 1503 1250
- Insulated 12-Point Female Sockets 10–13–14–17–19–22–24–27 1504 1...
- Insulated Male Hex Sockets 4–5–6–8–10 1505 1...
- Resin case..... 1589 002

Description	Order No.	Dimensions	Weight
Combi Set	1599 002	330 x 75 x 270 mm	3.1kg



Basis Ratchet Set Series 1/2"

Equipment:

- Insulated Reversible Ratchet Wrench..... 1502 1
- Insulated 12-Point Female Sockets 10–13–14–17–19–22–24 1504 1...
- Insulated Male Hex Sockets 4–5–6 1505 1...
- Resin case..... 1589 005

Description	Order No.	Dimensions	Weight
Basis Ratchet Set	1599 005	275 x 65 x 210 mm	1,6 kg



Basis T Wrench Set Series 1/2"

Equipment:

- Insulated T Wrench..... 1501 1
- Insulated 12-Point Female Sockets 10–13–14–17–19–22 1504 1...
- Insulated Male Hex Sockets 5–6–8 1505 1...
- Long Insulated Male Hex Sockets 5–6 1506 1...
- Resin case..... 1589 001

Description	Order No.	Dimensions	Weight
Basis T Wrench Set	1599 001	275 x 65 x 210 mm	1,5 kg



Torque Wrench Set Series 1/2"

Equipment:

- Insulated Torque Wrench T 8–10–15Nm.....AC37...
- Long Insulated Male Hex Sockets 4–5–6 1506 1...
- Resin case..... 1589 001

Description	Order No.	Dimensions	Weight
Torque wrench Set	AV3755	275 x 65 x 210 mm	2,0 kg



Torque Wrench Set Series 1/2" Reduced

Equipment:

- Insulated Torque Wrench T 20Nm.....AC3720
- Insulated Male Hex Socket 8 1505 108
- Insulated 12-Point Female Socket 13..... 1504 113
- Resin case..... 1588 010

Description	Order No.	Dimensions	Weight
Torque Wrench Set red.	AV3760	192 x 40 x 140 mm	0,7 kg

ALIGNMENT TOOL FOR SECTOR CABLE

1000V
IEC 60900



Alignment Tool for Sector Cable

- Insulation of non-brittle plastic
- To align 3 or 4 strand sectoral conductor
- Used with INTERCABLE insulated T-Wrenches (15011, 15012) or Ratched Wrenches (15021, 15022)
- Other sizes on request

Description	Order No.	Cross Section	Length	Weight
Alignment Tool Size 3/8"	1320 95	95 - 150	75 mm	80 g
	1321 85	185 - 240	83 mm	140 g
	1320 30	300	83 mm	140 g
Alignment Tool Size 1/2"	1320 96	95 - 150	75 mm	80 g
	1321 86	185 - 240	83 mm	140 g
	1320 31	300	83 mm	140 g

intercable

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