



2024⁺

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CA-2067J

3/8" DR. AIR MICRO IMPACT WRENCH

- body material: aluminum.
- mechanism: jumbo-hammer.
- free speed: 8,500 rpm.
- working torque: 475 Nm.
- exhaust: handle system.
- overall length: 88 mmL.
- net weight: 1.66 kg.



CA-2068J

1/2" DR. AIR MICRO IMPACT WRENCH

- body material: aluminum.
- mechanism: jumbo-hammer.
- free speed: 8,500 rpm.
- working torque: 475 Nm.
- exhaust: handle system.
- overall length: 88 mmL.
- net weight: 1.70 kg.



CA-2069T

3/8" DR. AIR PALM IMPACT WRENCH

- body material: aluminum.
- mechanism: twin-hammer.
- free speed: 7,500 rpm.
- working torque: 450 Nm.
- exhaust: handle system.
- overall length: 85 mmL.
- net weight: 1.10 kg.



CA-2070T

1/2" DR. AIR PALM IMPACT WRENCH

- body material: aluminum.
- mechanism: twin-hammer.
- free speed: 7,500 rpm.
- working torque: 450 Nm.
- exhaust: handle system.
- overall length: 85 mmL.
- net weight: 1.11 kg.



CA-2071T

3/4" DR. AIR ANGLE IMPACT WRENCH

- body material: aluminum.
- mechanism: twin-hammer.
- free speed: 7,500 rpm.
- handle swivel: 360°.
- hammer head: 120° flexible.
- working torque: 900 Nm.
- exhaust: front 360°.
- overall length: 305 mmL.
- net weight: 2.30 kg.



CA-2535

1/4" DR. AIR RATCHET WRENCH

- mechanism: reaction-less.
- free speed: 700 rpm.
- working torque: 40 Nm.
- exhaust: rear system.
- overall length: 159 mmL.
- net weight: 0.60 kg.



CA-2536

3/8" DR. AIR RATCHET WRENCH

- mechanism: reaction-less.
- free speed: 700 rpm.
- working torque: 40 Nm.
- exhaust: rear system.
- overall length: 159 mmL.
- net weight: 0.62 kg.

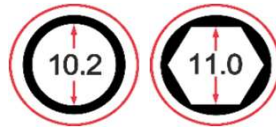


LONG AIR HAMMER KIT

CA-5503RK chisel shank: (R.) 10.2 mm.

CA-5503HK chisel shank: (H.) 11 mm.

- chisel length: 175 mm.
- free speed: 2,100 bpm.
- stroke length: 89 mm.
- exhaust: front system.
- net weight: 1.93 kg.



CA-7016

MEDIUM-DUTY AIR CHISEL SCALER

- chisel shank: hex. 12.7mm.
- chisel length: 35 x 175mm.
- free speed: 2,700 bpm.
- stroke length: 38 mmL.
- exhaust: side system.
- net weight: 2.30 kg.



CA-7017

HEAVY-DUTY AIR CHISEL SCALER

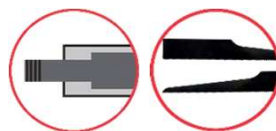
- chisel shank: hex. 12.7mm.
- chisel length: 35 x 175mm.
- free speed: 4,000 bpm.
- stroke length: 36 mmL.
- exhaust: side system.
- net weight: 1.90 kg.



CA-6524K

ANTI-VIBRATION MINI AIR BODY SAW W/FILE KIT

- capacity: 1.6 mm. (steel)
- stroke length: 8 mm.
- free speed: 7,000 spm.
- vibration: 3.35 m/s².
- exhaust: rear system.
- net weight: 0.57 kg.
- 1pc: 18t. saw blade.
- 1pc: 24t. saw blade.
- 1pc: 5mm (dia.) flat file.



CA-6030

AIR TWIST BLOW GUN

- body material: nylon + fiberglass.
- minimum input pressure: 3.5 kg/cm².
- maximum working pressure: 10 kg/cm².
- air consumption: 8 cfm > 300 L/M.
- inlet material: metal.



CA-6032

PALM-SHAPED AIR TWIST BLOW GUN

- body material: nylon + fiberglass and aluminum.
- minimum input pressure: 4.0 kg/cm².
- maximum working pressure: 7.0 kg/cm².
- air consumption: 2.8 cfm > 80 L/M.
- inlet material: metal.



CA-7542

AIR HYDRAULIC RIVET NUT TOOL

- body material: composite.
- mechanism: hydraulic type.
- setting function: spin-pull-spin.
- stroke length: 8.0 mm.
- traction power: 2,300 kg/m².
- capacity: M4 - M5 - M6 - M8 - M10.



CA-9055A

PU AIR HOSE BALANCER

- body material: plastic.
- hang hook: 360° swivel.
- loading capacity: 0.5 ~ 1.5 kg.
- hose length: 140 cmL.
- pu hose size: 6.5mm (i.d.) x 10mm (o.d.).



CA-9055B

PU AIR HOSE BALANCER

- body material: plastic.
- hang hook: 360° swivel.
- loading capacity: 1.5 ~ 3.0 kg.
- hose length: 140 cmL.
- pu hose size: 6.5mm (i.d.) x 10mm (o.d.).



4 hose balancer & air swivel fitting

CA-9055C

PU AIR HOSE BALANCER

- body material: plastic.
- hang hook: 360° swivel.
- loading capacity: 3.0 ~ 5.0 kg.
- hose length: 140 cmL.
- pu hose size: 6.5mm (i.d.) x 10mm (o.d.).



PU AIR HOSE BALANCER

CA-9056A loading capacity: 0.5 ~ 1.5 kg.

CA-9056B loading capacity: 1.5 ~ 2.5 kg.

- body material: plastic.
- hang hook: 360° swivel.
- hose length: 130 cmL.
- pu hose size: 8mm (i.d.) x 12mm (o.d.).



PU AIR HOSE BALANCER

CA-9056C loading capacity: 2.5 ~ 3.5 kg.

CA-9056D loading capacity: 3.5 ~ 5.0 kg.

CA-9056E loading capacity: 5.0 ~ 6.5 kg.

- body material: plastic.
- hang hook: 360° swivel.
- hose length: 130 cmL.
- pu hose size: 8mm (i.d.) x 12mm (o.d.).



AS-151A

1/4" JAPANESE TYPE PLUG SWIVEL FITTING

- 1/4" PT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-151B

1/4" JAPANESE TYPE PLUG SWIVEL FITTING

- 3/8" PT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-152A

1/4" INDUSTRIAL TYPE PLUG SWIVEL FITTING

- 1/4" NPT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-152B

1/4" INDUSTRIAL TYPE PLUG SWIVEL FITTING

- 3/8" NPT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-153A

1/4" EUROPEAN TYPE PLUG SWIVEL FITTING

- 1/4" G male
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-153B

1/4" EUROPEAN TYPE PLUG SWIVEL FITTING

- 3/8" G male
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-154A

1/4" NPT FEMALE PLUG SWIVEL FITTING

- 1/4" NPT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-154B

1/4" PT FEMALE PLUG SWIVEL FITTING

- 1/4" PT male.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-155A

1/4" JAPANESE TYPE PLUG SWIVEL FITTING

- 1/4" PT female.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



6 air swivel fitting & adaptor

AS-155B

1/4" JAPANESE TYPE PLUG SWIVEL FITTING

- 3/8" PT female.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-156A

1/4" EUROPEAN TYPE PLUG SWIVEL FITTING

- 1/4" G female.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-156B

1/4" EUROPEAN TYPE PLUG SWIVEL FITTING

- 3/8" G female.
- working pressure: 12 bar (175 psi).
- maximum pressure: 15 bar (218 psi).
- material: steel.



AS-148

ADAPTOR - cutting wheel

- shank outside diameter: 6.0 mm.
- hub outside diameter: 10 mm.



2" CUTTING WHEEL

AS-49A 10 x 50mm (dia.) x 2.0 mm. (t.)

AS-49AA 10 x 50mm (dia.) x 1.0 mm. (t.)



AS-149

ADAPTOR - radial bristle wheel

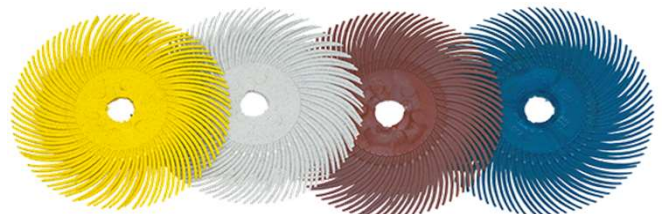
- shank outside diameter: 6.0 mm.
- hub outside diameter: 10 mm.



RADIAL BRISTLE wheel

AS-150A	wheel dia.: 75 mm.	yellow / grit 80
AS-150B	wheel dia.: 75 mm.	white / grit 120
AS-150C	wheel dia.: 75 mm.	red / grit 220
AS-150D	wheel dia.: 75 mm.	blue / grit 400

- maximum rpm: 20,000



TK-02013E

13PCS - 1/4" DR. 1000V. INSULATED SOCKET AND RATCHET HANDLE SET

Part No.	Contents	Part No.	Contents
E0240050	deep socket x 5mm.	E0240120	deep socket x 12mm.
E0240060	deep socket x 6mm.	E0240130	deep socket x 13mm.
E0240070	deep socket x 7mm.	E0240140	deep socket x 14mm.
E0240080	deep socket x 8mm.	E3202075	extension bar x 75mmL.
E0240090	deep socket x 9mm.	E3202150	extension bar x 150mmL.
E0240100	deep socket x 10mm.	E2150062	1/4" dr. ratchet handle
E0240110	deep socket x 11mm		



TK-03014E

14PCS - 3/8" DR. 1000V. INSULATED SOCKET AND RATCHET HANDLE SET

Part No.	Contents	Part No.	Contents
E0372070	deep socket x 7mm.	E0372150	deep socket x 15mm.
E0372080	deep socket x 8mm.	E0372170	deep socket x 17mm.
E0372100	deep socket x 10mm.	E0372190	deep socket x 19mm.
E0372110	deep socket x 11mm.	E0372220	deep socket x 22mm.
E0372120	deep socket x 12mm.	E3303100	extension bar x 100mmL.
E0372130	deep socket x 13mm.	E3303250	extension bar x 250mmL.
E0372140	deep socket x 14mm	E3201202	3/8" dr. ratchet handle



TK-04012E

12PCS - 1/2" DR. 1000V. INSULATED SOCKET AND RATCHET HANDLE SET

Part No.	Contents	Part No.	Contents
E0494100	deep socket x 10mm.	E0494190	deep socket x 19mm.
E0494110	deep socket x 11mm.	E0494220	deep socket x 22mm.
E0494120	deep socket x 12mm.	E0494240	deep socket x 24mm.
E0494130	deep socket x 13mm.	E3404125	extension bar x 125mmL.
E0494140	deep socket x 14mm.	E3404250	extension bar x 250mmL.
E0494170	deep socket x 17mm.	E4233512	1/2" dr. ratchet handle



SB-17010E

10PCS - 3/8" & 1/2" DR. 1000V. INSULATED HEXAGON SOCKET BIT SET

Part No.	Contents	Part No.	Contents
E1365040	3/8" hex. socket bit x 4mm.	E1492040	1/2" hex. socket bit x 4mm.
E1365050	3/8" hex. socket bit x 5mm.	E1492050	1/2" hex. socket bit x 5mm.
E1365060	3/8" hex. socket bit x 6mm.	E1492060	1/2" hex. socket bit x 6mm.
E1365070	3/8" hex. socket bit x 7mm.	E1492080	1/2" hex. socket bit x 8mm.
E1365080	3/8" hex. socket bit x 8mm.	E1492100	1/2" hex. socket bit x 10mm



SB-18014E

14PCS - 3/8" & 1/2" DR. 1000V. INSULATED STAR SOCKET BIT SET

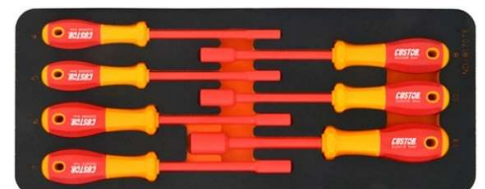
Part No.	Contents	Part No.	Contents
E2365020	3/8" star socket x T20	E2492020	1/2" star socket x T20
E2365025	3/8" star socket x T25	E2492025	1/2" star socket x T25
E2365027	3/8" star socket x T27	E2492027	1/2" star socket x T27
E2365030	3/8" star socket x T30	E2492030	1/2" star socket x T30
E2365040	3/8" star socket x T40	E2492040	1/2" star socket x T40
E2365045	3/8" star socket x T45	E2492045	1/2" star socket x T45
E2365050	3/8" star socket x T50	E2492050	1/2" star socket x T50



ND-81707E

7PCS - 1000V. INSULATED HEXAGON NUT DRIVER SET

Part No.	Size (m/m)	Length (m/m)	Part No.	Size (m/m)	Length (m/m)
E5225040	4	225	E5235080	8	235
E5225050	5	225	E5235100	10	235
E5235060	6	235	E5245130	13	245
E5235070	7	235			



8 1000V. insulated tools

SD-81908E

8PCS - 1000V. INSULATED SCREW-DRIVER SET

Part No.	Size (m/m)	Length (m/m)	Part No.	Size (m/m)	Length (m/m)
E6155025	(-) 2.5	155	E7180001	PH1	180
E6180030	(-) 3.0	180	E7210002	PH2	210
E6200040	(-) 4.0	200	E7270003	PH3	270
E6225055	(-) 5.5	225	E0900250	voltage tester: 110~250V.	



WS-23410E

10PCS - 1000V. INSULATED OPEN-END WRENCH SET

Part No.	Size (m/m)	Length (m/m)	Part No.	Size (m/m)	Length (m/m)
E4109908	8	99	E4114414	14	144
E4110710	10	107	E4116315	15	163
E4112311	11	123	E4116317	17	163
E4112312	12	123	E4118019	19	180
E4114413	13	144	E4119422	22	194



WS-53205E

50PCS - 1000V. INSULATED 75° OFFSET-RING WRENCH SET

Part No.	Size (m/m)	Length (m/m)	Part No.	Size (m/m)	Length (m/m)
E4214807	7	148	E4218912	12	189
E4215808	8	158	E4219914	14	199
E4216810	10	168			



CP-30004E

4PCS - 1000V. INSULATED PROFESSIONAL PLIERS SET

Part No.	Description	Overall Length (m/m)
E0100178	combination pliers	178
E0200178	diagonal pliers	178
E0300203	straight nose pliers	203
E0400203	45° bent nose pliers	203



CP-20003E

3PCS - 1000V. INSULATED PROFESSIONAL TOOL SET

Part No.	Description	Overall Length (m/m)
E0625036	water pump pliers x 36mm.	250
E0526433	adjustable wrench x 33mm.	264
E0800190	stripping knife	190



TK-03017E

17PCS - 3/8" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0372070	deep socket x 7mm.	E1365040	socket bit x H4
E0372080	deep socket x 8mm.	E1365050	socket bit x H5
E0372100	deep socket x 10mm.	E1365060	socket bit x H6
E0372120	deep socket x 12mm.	E1365070	socket bit x H7
E0372140	deep socket x 14mm.	E1365080	socket bit x H8
E0372150	deep socket x 15mm.	E3303100	extension bar x 100mmL.
E0372170	deep socket x 17mm.	E0395205	3/8" dr. T-handle
E0372190	deep socket x 19mm.	E3201202	3/8" dr. ratchet handle
E0372220	deep socket x 22mm.		



TK-03019E

19PCS - 3/8" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0372080	deep socket x 8mm.	E4110710	open-end wrench x 10mm.
E0372100	deep socket x 10mm.	E4112311	open-end wrench x 11mm.
E0372130	deep socket x 13mm.	E4112312	open-end wrench x 12mm.
E0372140	deep socket x 14mm.	E4114413	open-end wrench x 13mm.
E0372170	deep socket x 17mm.	E4114414	open-end wrench x 14mm.
E0372190	deep socket x 19mm.	E4116317	open-end wrench x 17mm.
E0372220	deep socket x 22mm.	E4118019	open-end wrench x 19mm.
E4214807	offset-ring wrench x 7mm.	E3303100	extension bar x 100mmL.
E4215808	offset-ring wrench x 8mm.	E3201202	3/8" dr. ratchet handle
E4216810	offset-ring wrench x 10mm.		



TK-03023E

23PCS - 3/8" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0372070	deep socket x 7mm.	E1365050	socket bit x H5
E0372080	deep socket x 8mm.	E1365060	socket bit x H6
E0372100	deep socket x 10mm.	E1365080	socket bit x H8
E0372110	deep socket x 11mm.	E7180001	screwdriver PH1x180mmL.
E0372120	deep socket x 12mm.	E7210002	screwdriver PH2x210mmL.
E0372130	deep socket x 13mm.	E6180030	screwdriver SL3.0x180mmL.
E0372140	deep socket x 14mm.	E6200040	screwdriver SL4.0x200mmL.
E0372150	deep socket x 15mm.	E6225055	screwdriver SL5.5x225mmL.
E0372170	deep socket x 17mm.	E0900250	probe voltage tester 250V.
E0372190	deep socket x 19mm.	E3303100	extension bar x 100mmL.
E0372220	deep socket x 22mm.	E3201202	3/8" dr. ratchet handle
E1365040	socket bit x H4		



TK-04011E

11PCS - 1/2" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0494100	deep socket x 10mm.	E0494220	deep socket x 22mm.
E0494120	deep socket x 12mm.	E0494240	deep socket x 24mm.
E0494130	deep socket x 13mm.	E3404125	extension bar x 125mmL.
E0494140	deep socket x 14mm.	E0495205	1/2" dr. T-handle
E0494170	deep socket x 17mm.	E4233512	1/2" dr. ratchet handle
E0494190	deep socket x 19mm.		



TK-04016E

16PCS - 1/2" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0494100	deep socket x 10mm.	E4112311	open-end wrench x 11mm.
E0494120	deep socket x 12mm.	E4112312	open-end wrench x 12mm.
E0494130	deep socket x 13mm.	E4114413	open-end wrench x 13mm.
E0494170	deep socket x 17mm.	E4114414	open-end wrench x 14mm.
E0494190	deep socket x 19mm.	E4116317	open-end wrench x 17mm.
E4214807	offset-ring wrench x 7mm.	E4118019	open-end wrench x 19mm.
E4215808	offset-ring wrench x 8mm.	E3404125	extension bar x 125mmL.
E4216810	offset-ring wrench x 10mm.	E4233512	1/2" dr. ratchet handle



TK-04018E

18PCS - 1/2" DR. 1000V. INSULATED TOOL KIT

Part No.	Contents	Part No.	Contents
E0494100	deep socket x 10mm.	E1492060	socket bit x H6
E0494120	deep socket x 12mm.	E1492080	socket bit x H8
E0494130	deep socket x 13mm.	E7180001	screwdriver PH1x180mmL.
E0494140	deep socket x 14mm.	E7210002	screwdriver PH2x210mmL.
E0494170	deep socket x 17mm.	E6180030	screwdriver SL3.0x180mmL.
E0494190	deep socket x 19mm.	E6200040	screwdriver SL4.0x200mmL.
E0494220	deep socket x 22mm.	E0900250	probe voltage tester 250V.
E0494240	deep socket x 24mm.	E3404125	extension bar x 125mmL.
E1492050	socket bit x H5	E4233512	1/2" dr. ratchet handle



1000V. INSULATED RATCHET HANDLE

Part No.	Dr.	Teeth	L. (m/m)	D. (m/m)	Max. Torque (Nm)
E2150062	1/4"	72	150	20	62
E3201202	3/8"	41	201	56	202
E4233512	1/2"	41	233	61	512



1000V. INSULATED EXTENSION BAR

Part No.	Size	L. (mm)	Part No.	Size	L. (mm)
E3202075	1/4" dr.	75	E3303250	3/8" dr.	250
E3202150	1/4" dr.	150	E3404125	1/2" dr.	125
E3303100	3/8" dr.	100	E3404250	1/2" dr.	250



1000V. INSULATED DEEP SOCKET

Part No.	Size (m/m)	L. (mm)
1/4" dr. x 6PT		
E0240050	5	40
E0240060	6	40
E0240070	7	40
E0240080	8	40
E0240290	9	40
E0240100	10	40
E0240110	11	40
E0240120	12	40
E0240130	13	40
E0241140	14	40

1000V. INSULATED DEEP SOCKET

Part No.	Size (m/m)	L. (mm)
3/8" dr. x 6PT		
E0372070	7	72
E0372080	8	72
E0372100	10	72
E0372110	11	72
E0372120	12	72
E0372130	13	72
E0372140	14	72
E0372150	15	72
E0372170	17	72
E0372190	19	72
E0372220	22	72

1000V. INSULATED DEEP SOCKET

Part No.	Size (m/m)	L. (mm)
1/2" dr. x 6PT		
E0494100	10	94
E0494110	11	94
E0494120	12	94
E0494130	13	94
E0494140	14	94
E0494170	17	94
E0494190	19	94
E0494220	22	94
E0494240	24	94
E0494270	27	94
E0494300	30	94
E0494320	32	94



3/8" DR. 1000V. INSULATED HEXAGON SOCKET BIT

Part No.	Size (m/m)	L. (mm)
E1365040	4	65
E1365050	5	65
E1365060	6	65
E1365070	7	65
E1365080	8	65

1/2" DR. 1000V. INSULATED HEXAGON SOCKET BIT

Part No.	Size (m/m)	L. (mm)
E1492040	4	92
E1492050	5	92
E1492060	6	92
E1492080	8	92
E1492100	10	92



3/8" DR. 1000V. INSULATED STAR SOCKET BIT

Part No.	Size (m/m)	L. (mm)
E2365020	T20	65
E2365025	T25	65
E2365027	T27	65
E2365030	T30	65
E2365040	T40	65
E2365045	T45	65
E2365050	T50	65
E2365055	T55	65



1/2" DR. 1000V. INSULATED STAR SOCKET BIT

Part No.	Size (m/m)	L. (mm)
E2492020	T20	92
E2492025	T25	92
E2492027	T27	92
E2492030	T30	92
E2492040	T40	92
E2492045	T45	92
E2492050	T50	92
E2492055	T55	92



1000V. INSULATED 75° OFFSET-RING WRENCH

Part No.	Size (m/m)	L. (mm)
E4214807	7	148
E4215808	8	158
E4216810	10	168
E4218912	12	189
E4219914	14	199



1000V. INSULATED T-HANDLE

Part No.	Size	Width (m/m)	Length (m/m)
E0395205	3/8"	195	205
E0495205	1/2"	195	205



1000V. INSULATED OPEN-END WRENCH

Part No.	Size (m/m)	L. (mm)
E4108907	7	89
E4109908	8	99
E4110709	9	107
E4110710	10	107
E4112311	11	123
E4112312	12	123
E4114413	13	144
E4114414	14	144
E4116315	15	163

Part No.	Size (m/m)	L. (mm)
E4116316	16	163
E4116317	17	163
E4118018	18	180
E4118019	19	180
E4119420	20	194
E4119421	21	194
E4119422	22	194
E4122523	23	225
E4122524	24	225



1000V. INSULATED HEXAGON NUT-DRIVER

Part No.	Size (m/m)	L. (mm)
E5225040	4	225
E5225050	5	225
E5225055	5.5	225
E5235060	6	235
E5235070	7	235
E5235080	8	235
E5230100	10	235
E5245130	13	245



1000V. INSULATED SLOTTED SCREW-DRIVER

Part No.	Size (m/m)	L. (mm)
E6155025	2.5 x 0.4	155
E6180030	3.0 x 0.5	180
E6180035	3.5 x 0.6	180
E6200040	4.0 x 0.8	200
E6225055	5.5 x 1.0	225
E6260065	6.5 x 1.2	260
E6295080	8.0 x 1.2	295



1000V. INSULATED PHILLIPS SCREW-DRIVER

Part No.	Size (m/m)	L. (mm)
E7140000	PH0	140
E7180001	PH1	180
E7210002	PH2	210
E7270003	PH3	270



1000V. INSULATED COMBINATION PLIERS

Part No.	Length (m/m)
E0100152	152
E0100178	178
E0100203	203



1000V. INSULATED DIAGONAL PLIERS

Part No.	Length (m/m)
E0200178	178
E0200203	203



1000V. INSULATED STRAIGHT NOSE PLIERS

Part No.	Length (m/m)
E0300152	152
E0300203	203



1000V. 45° BENT NOSE PLIERS

Part No.	Length (m/m)
E0400152	152
E0400203	203



1000V. INSULATED ADJUSTABLE WRENCH

Part No.	capacity (mm)	L. (mm)
E0521328	28	213
E0526433	33	264



1000V. INSULATED WATER PUMP PLIERS

Part No.	capacity (mm)	L. (mm)
E0625036	36	250



1000V. INSULATED CABLE KNIFE

Part No.	Type	L. (mm)
E0700190	cable knife	190



1000V. INSULATED STRIPPING KNIFE

Part No.	Type	L. (mm)
E0800190	stripping knife	190



PROBLE VOLTAGE TESTER

Part No.	capacity non-contact	capacity contact method
E0900250	110~250V AC	110~500V AC

HP-17008S

8PCS - 3/8" DR. IMPACT DRIVER SET

Part No.	Description	Part No.	Description
1100303	deadblow hammer x 290mmL.	3300275	PH2, hex. 10 x 75mmL.
8100601	steel wire brush x 225mmL.	3300375	PH3, hex. 10 x 75mmL.
1550314	3/8" dr. impact driver	2800875	(-) 8, hex. 10 x 75mmL.
7103010	coupler 3/8" dr. x 10mm (h.)	2801075	(-) 10, hex. 10 x 75mmL.



TB-97005A

5-DRAWER UPPER BOX - deluxe series

- sliding mechanism: ball bearing with auto-closing function.
- drawer thickness: 0.8 mm.
- body thickness: 1.0 mm.
- 5-drawer size:
width: 725 mm (inside diameter).
depth: 440 mm (inside diameter).
height: 70 mm (inside diameter).
- overall size:
width: 930 mm (w/o side handle).
depth: 500 mm.
height: 510 mm.



TB-97007A

7-DRAWER TROLLEY - deluxe series

- sliding mechanism: ball bearing with auto-closing function.
- drawer thickness: 0.8 mm.
- body thickness: 1.0 mm.
- 5-drawer size:
width: 725 mm (inside diameter).
depth: 440 mm (inside diameter).
height: 70 mm (inside diameter).
- 2-drawer size:
width: 725 mm (inside diameter).
depth: 440 mm (inside diameter).
height: 140 mm (inside diameter).
- overall size:
width: 930 mm (w/o side handle).
depth: 500 mm.
height: 980 mm (with wheel).
- PU wheel size:
wheel width: 50 mm.
wheel diameter: 125 mm.



TB-97001A

STORAGE RACK

- overall width: 260 mm.
- overall depth: 112 mm.
- overall height: 80 mm.



TB-97001B

METAL WASTE TRASH

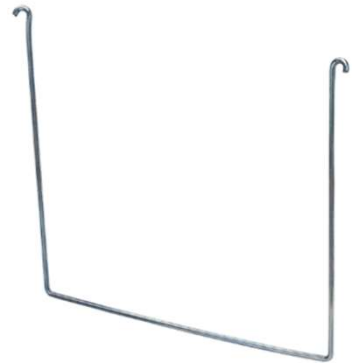
- overall width: 262 mm.
- overall depth: 131 mm.
- overall height: 305 mm.



TB-97001C

TISSUE PAPER ROLL-HOOK

- tissue paper roll width: 260 mmL.
- tissue paper roll depth: 250 mmL.



ST-22089

METAL SKIN WEDGE TOOL

- unique design fits in tight gaps for removing exterior & interior trims, moldings, panels, fasteners, clips, gaskets, dashboards, and more without damage.
- curved tip x 178mmL.
- slim radius taper end for optimum blend of strength and access.
- high strength thin tip (0.48mm) with very little deflection.



ST-22090

METAL SKIN WEDGE TOOL

- unique design fits in tight gaps for removing exterior & interior trims, moldings, panels, fasteners, clips, gaskets, dashboards, and more without damage.
- curved and straight tips x 208mmL.
- slim radius taper end for optimum blend of strength and access.
- high strength thin tip (0.48mm) with very little deflection.



ST-22094

2PCS - TRIM CLIP REMOVAL TOOL SET

- set for removing exterior and interior trim, molding, dashboards, door panels, and clips.
- each tool is two-sided to increase its applicability and versatility.
- metallic material is not easily damaged or broken, more durable than plastic panel removal tools.
- double-sided trim removal pry bar: W 55mm x L 224mmL.
- double-sided clip lifter tool with "U" shape: W 7.4mm x 174mmL.



ST-22092

2 IN 1 WINDSHIELD WASHER NOZZLE AND JET CLEANING TOOL

- this windshield washer nozzle clean tool features 2 ends, can be used to clean the washer jet and adjust position of jet.
- the windshield washer jet tool is comfortable to use. there are cap to protect the needles.
- the windshield washer nozzle tool is comfortable to use & the surface is designed with grooves to make it non-slip.
- mainly made of copper, the washer nozzle tool is strong and tough, not easy to be worn out.
- the washer jet tool is compact, portable and easy to be put into a pocket.



ST-22093

4PCS - PROFESSIONAL DASHBOARD PROTECTIVE PANEL SET

- ideal for protecting the dashboard, interior trim and roof lining from damage when removing windscreen.
- each with two protective panels with straight and slightly angled front edges.
- ensures clean and professional work.
- contents:
 - 1pc - 205 x 270mm straighter front edge.
 - 1pc - 305 x 450mm straighter front edge.
 - 1pc - 205 x 270mm bent front edge.
 - 1pc - 305 x 450mm bent front edge.



ST-22091

3PCS - RAIN AND LIGHT SENSOR REMOVAL TOOL SET

- simply remove the windscreen and heat the outside of the windscreen with a heat gun.
- removal tools for rain and light sensors for 90% of vehicles on the market.
- remove the adhesive with the selected tool using sideways pressure.
- three assorted sizes.
- application: Chrysler, Jeep, Mazda, Mercedes and BMW....



ST-22095

8PCS - PDC BUMPER CUTTING TOOL SET

- cuts sensor holes cleanly without any distortion or warping.
- only on wrench needed to cut sensor holes.
- sharp-edge cutter won't dimple the bumper cover.
- contents:
 - 1pc - 17mm (dia.) punch.
 - 1pc - 18mm (dia.) punch.
 - 1pc - 19mm (dia.) punch.
 - 1pc - 20mm (dia.) punch.
 - 1pc - 21mm (dia.) punch.
 - 1pc - 22mm (dia.) punch.
 - 1pc - 32mm (dia.) punch.
 - 1pc - drill bit 5/16" x 117mmL.



ST-28018

PLUGWELD PLIERS

- "U" shape movable jaw provides even clamping pressure around the spot to be welded imported.
- makes it easy to use your MIG welder to plug small hole in metal.
- clamp and supports the weld area, compressing the panels for tight plug welding.
- "U" shape jaw size: 19mm (width) x 20mm (depth).
- jaw gripping: 0~73 mm.
- overall length: 235 mmL.



ST-28019

SHUNTING PLIERS

- cooper pad with 22 mm² electric wire.
- easy to clamp 2 panels.
- enables squeeze-type resistance spot welding on e-coated panels.
- remove less e-coating with a non-conductive coating.
- cooper pad side: 30mm x 30mm.
- jaw gripping: 0~90 mm.
- overall length: 280 mmL.



HOSE CLAMP GRIPPING PLIERS

ST-23122A

capacity: 37 mm.

total length: 150 mmL.

ST-23122B

capacity: 66 mm.

total length: 225 mmL.

- forged gripping jaws.
- serrated execution.
- size adjustment using the adjustment knob.
- quick-release action.
- with easy locking action.



ST-23123

HOSE STRAP CUTTER - angled type.

- for cutting off earless hose clamps.
- for connections on axle boots, cooler and fuel hoses.
- insulated handle.
- total length: 220 mmL.



ST-23128

LONG REACH BUTTON CONNECTOR PLIERS

- operation of hard-to-reach fuel line clutches.
- no damage to the clutches and hoses due to proper operation of quick-release fasteners.
- bowden cable locking element facilitates precise adjustment of the range.
- easy release of the lock due to internal spring.
- suitable for fuel systems, gear box, brake fluid, urea fluid water, power steering, air systems and A/C systems.
- jaw opening width: 3 ~ 32 mm.
- hose clamp with flexible cable 650 mmL.



ST-23129

MULTI-DIRECTION HOSE CLAMP PLIERS

- allows the mechanic to easily rotate / remove the clamp.
- enable the hose clamp pliers to work from different angles.
- most hose clamp pliers don't work if they can't reach the clamp tips.
- this occurs after when the clamp is put on erratically.



ST-23118

26PCS - COOLING SYSTEM**VACUUM PURGE AND REFILL COOLANT PRESSURE TESTER KIT**

- pressure pump to test leaks in cooling system.
- provided with 3 twist-on type and 16 threaded type adaptors, covering almost all types of car makes and models on the market.
- vacuum-type coolant refill tool has large internal passages to allow coolant to be refilled fast.
- radiator cap test tubes (black & blue) to test if the radiator cap from the car has leaks.
- coolant hose and drain hose are made of cold-resistant material.
- applications:
 - adaptor #0: BMW and Land Rover.
 - adaptor #3: Chrysler, GM, Ford, Honda, Hyundai, Mazda, Subaru, Toyota, Mitsubishi and Mercedes-Benz.
 - adaptor #4: Hyundai, Kia, Mazda, Mitsubishi, Subaru and Toyota.
 - adaptor #5: Dodge, Honda, Mazda, Mitsubishi, Subaru and Toyota.
 - adaptor #6: Ford, Lincoln, Land Rover, Mercedes-Benz and Saab.
 - adaptor #8: Audi, Seat, Skoda and VW (early models).
 - adaptor #9: Audi, Seat, Skoda and VW (late models).
 - adaptor A: Audi and VW.
 - adaptor B: BMW.
 - adaptor C; Chrysler, GM, Ford, Tesla model X.
 - adaptor E: Mercedes-Benz.
 - adaptor F: Ford, Jaguar, Land Rover, Mazda and Volvo.
 - adaptor G: Buick, Cadillac, Chevrolet, GMC and Opel.
 - adaptor H: Hyundai and Kia.
 - adaptor M: Mercedes-Benz.
 - adaptor R: Citroen, Nissan, Opel, Peugeot, Renault and Volvo.
 - adaptor S: Ford Galaxy, Seat Alhambra and VW Sharan.
 - adaptor T: Toyota.
 - adaptor X: Volvo 2.0L twin engine plug-in hybrid.



ST-23119

3PCS - VACUUM TYPE COOLANT REFILL KIT - Tesla models

- vacuum-type coolant refill tool has large internal passages to allow coolant to be refilled fast.
- provided with adaptors for all Tesla models.
- tool is designed with only two valves - easy to use, intuitive design.
- tool with a hook can hang under the hood.
- tool needs to work with an air compressor to create a vacuum in the cooling system.
- applications:
Tesla model S and Model X (all years) - black color adaptor.
Tesla model 3 and model Y (all years) - red color adaptor.



ST-23120

VIBRATION-DAMPENING TENSIONER - Mercedes Benz

- suitable for mounting and dismounting the V-ribbed belt.
- quick, problem-free and correct changing of the belt.
- no damage to the pulley wheel and the belt.
- for vehicles with air conditioning and start-stop function.
- total length: 182 mmL.
- application:
Mercedes A-class (W169) 2004~2012, B-class (W245) 2005~2011.



ST-23124

SERPENTINE BELT REPLACE TOOL - VAG

- simple assembly and disassembly of the crank shaft disc and the crank shaft toothed-belt wheel.
- versatile usage.
- with plastic-coated handle.
- applications:
Audi A2 / A4 / A6, Seat, Sköda, Volkswagen Lupo / Polo / Golf 4 / Bora / Passat / Beetle / Sharan etc.....



ST-23125

V-BELT AND TIMING BELT WRENCH - VAG

- for loosening the automatic clamping device.
- problem free changing of the belt and hard reaching the place.
- total length: 380 mmL. and jaw opening in: 16 mm.
- applications:
Audi, Seat, Sköda and Volkswagen with 2.0TDi and i1. 4TS engines



ST-23126

CRANKSHAFT PULLEY HOLDING TOOL - VAG

- designed to be used to hold the crankshaft pulley stationary whilst loosening or tightening the crankshaft pulley fixing bolts.
- designed with an angled shaft to assist access on transverse mounted engines.
- total length: 740 mmL.
- applications:
1.0, 1.2, 1.4 and 1.6L TFSI and TSI petrol engines. Audi, Seat, Sköda and Volkswagen models, fit engines from as early as 2012.



ST-23121

22MM - FLEXIBLE OXYGEN SENSOR SOCKET WRENCH

- special socket (6 and 12 point) x 22mm. for assembling and dismantling of stuck oxygen sensors that are difficult to access.
- 180° freely-revolving joint.
- time-saving to work with, even for hard-to-reach oxygen sensors.
- prevents disassembly and assembly of protective shield.
- flat and half-opened design.
- applications: for almost all vehicles types.



ST-23127

22MM - IMPACT FLEXIBLE OXYGEN SENSOR SOCKET WRENCH

- special socket 6- point x 22mm. for assembling and dismantling of stuck oxygen sensors that are difficult to access.
- time-saving to work with, even for hard-to-reach oxygen sensors.
- prevents disassembly and assembly of protective shield.
- total length 210 mmL. x 9.0 mm shank outside diameter.
- operation with air hammer (10.2 mm. holder)
- the vibration increases the release torque and increases the effectiveness of rust-remover products.
- time-saving to work with, even for hard-to-reach oxygen sensors.
- applications: for almost all vehicles.



ST-23068

6PCS - DIESEL INJECTOR SEAT CUTTER SET

- re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly.
- clean and re-cutting of injector seat for universal application.
- unique "double lock" design provides highly accurate clean work without damaging engine.
- contents:
 - 1pc - 15 x 19mm flat reamer for universal injector.
 - 1pc - 17 x 17mm flat reamer for Delphi/Bosch injectors (BMW / Psa / Renault / Ford)
 - 1pc - 17 x 19mm flat reamer for Bosch injectors (Mercedes CDI)
 - 1pc - 17 x 21mm angle reamer for Fiat, Iveco.
 - 1pc - pilot post x 175mmL.
 - 1pc - hex. key wrench x 2.5mm.



ST-23130

7PCS - DIESEL INJECTOR SEAT CUTTER SET

- re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly.
- clean and re-cutting of injector seat for universal application.
- unique "double lock" design provides highly accurate clean work without damaging engine.
- contents:
 - 1pc - 15 x 19mm flat reamer for universal injector.
 - 1pc - 17 x 17mm angled reamer for Fiat / Iveco and Ford.
 - 1pc - 17 x 17mm flat reamer for Delphi/Bosch injectors (BMW / Psa / Renault / Ford)
 - 1pc - 17 x 19mm flat reamer for Bosch injectors (Mercedes CDI)
 - 1pc - 17 x 21mm angled reamer for Fiat / Iveco.
 - 1pc - pilot post x 175mmL.
 - 1pc - hex. key wrench x 2.5mm.



ST-23131

8PCS - DIESEL INJECTOR SEAT CUTTER SET

- re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly.
- clean and re-cutting of injector seat for universal application.
- unique "double lock" design provides highly accurate clean work without damaging engine.
- contents:
 - 1pc - 15 x 19mm flat reamer for universal injector.
 - 1pc - 17 x 17mm angled reamer for Fiat / Iveco and Ford.
 - 1pc - 17 x 17mm flat reamer for Delphi/Bosch injectors (BMW / Psa / Renault / Ford)
 - 1pc - 17 x 19mm flat reamer for Bosch injectors (Mercedes Benz CDI)
 - 1pc - 17 x 21mm angled reamer for Fiat / Iveco.
 - 1pc - pilot post x 175mmL.
 - 1pc - 1/4" dr. T-handle x 150mmL.
 - 1pc - hex. key wrench x 2.5mm.



ST-23132

9PCS - DIESEL INJECTOR SEAT CUTTER SET

- re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly.
- clean and re-cutting of injector seat for universal application.
- unique "double lock" design provides highly accurate clean work without damaging engine.
- contents:
 - 1pc - 15 x 19mm flat reamer for universal injector.
 - 1pc - 17 x 17mm angled reamer for Fiat / Iveco and Ford.
 - 1pc - 17 x 17mm flat reamer for Delphi/Bosch injectors (BMW / Psa / Renault / Ford)
 - 1pc - 17 x 19mm flat reamer for Bosch injectors (Mercedes Benz CDI)
 - 1pc - 17 x 21mm angled reamer for Fiat / Iveco.
 - 1pc - 19 x 50mm injector cleaner reamer.
 - 1pc - pilot post x 175mmL.
 - 1pc - 1/4" dr. T-handle x 150mmL.
 - 1pc - hex. key wrench x 2.5mm.



ST-23133

9PCS - DIESEL INJECTOR SEAT CUTTER SET

- re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly.
- clean and re-cutting of injector seat for universal application.
- unique "double lock" design provides highly accurate clean work without damaging engine.
- contents:
 - 1pc - 15 x 19mm flat reamer for universal injector.
 - 1pc - 15 x 17mm reamer for Fiat multi-jet injector.
 - 1pc - 17 x 17mm angled reamer for Fiat / Iveco and Ford.
 - 1pc - 17 x 17mm flat reamer for Delphi/Bosch injectors (BMW / Psa / Renault / Ford)
 - 1pc - 17 x 19mm flat reamer for Bosch injectors (Mercedes Benz CDI)
 - 1pc - 17 x 21mm angled reamer for Fiat / Iveco.
 - 1pc - 19 x 50mm injector cleaner reamer.
 - 1pc - pilot post x 175mmL.
 - 1pc - hex. key wrench x 2.5mm.



ST-24668

3PCS - 3/8" DR. HEXAGON OIL FILTER CAP WRENCH SET

- oil filter wrenches made of sturdy forged steel.
- work with a 3/8" dr. ratchet wrench.
- suitable for cartridge oil filter housings with a hex on top.
- applications:
 - 27mm: BMW, Mini, Citroen, Peugeot, Fiat, Ford Europe, Mercedes-Benz, Renault.
 - 32mm: BMW 3 series E90, 5 series E60, VAG.
 - 36mm: BMW, Ford F series, VAG, Volvo.



ST-24669

5PCS - 3/8" DR. HEXAGON OIL FILTER CAP WRENCH SET

- oil filter wrenches made of sturdy forged steel.
- work with a 3/8" dr. ratchet wrench.
- suitable for cartridge oil filter housings with a hex on top.
- applications:
 - 24mm: BMW, Mini, Chevrolet, Chrysler, Opel.
 - 27mm: BMW, Mini, Citroen, Peugeot, Fiat, Ford Europe, Mercedes-Benz, Renault.
 - 32mm: Audi, VW, BMW 3-series E90/E91, BMW 5-series E60/E61.
 - 36mm: Audi, VW, BMW, Ford F-series, Volvo.
 - 38mm: Opel, Vauxhall Vectra 2.0 CDTI.



ST-24670

7PCS - 3/8" DR. HEXAGON OIL FILTER CAP WRENCH SET

- oil filter wrenches made of sturdy forged steel.
- work with a 3/8" dr. ratchet wrench.
- suitable for cartridge oil filter housings with a hex on top.
- applications:
 - 24mm: BMW, Mini, Chevrolet, Chrysler, Opel.
 - 27mm: BMW, Mini, Citroen, Peugeot, Fiat, Ford Europe, Mercedes-Benz, Renault.
 - 29mm: Dodge Cummins fuel filter housing.
 - 30mm: VW Polo, Golf, Seat Ibiza, Skoda Fabia 1.4 16V. petrol engines.
 - 32mm: BMW 3 series E90, 5 series E60, VAG.
 - 36mm: BMW, Ford F series, VAG, Volvo.
 - 38mm: Opel, Vauxhall Vectra 2.0 CDTI.



ST-25093

BATTERY ACID TESTER

- for the quick and accurate testing of acidity in the battery fluid and the antifreeze content.
- can also be used for coolant and windscreen wiper fluid.
- adjustable eye piece with rubber viewing rest.
- with automatic temperature compensation (ATC).
- also suitable in ambient temperatures of less than 10°C.
- high quality design made from aluminium.



ST-29069

FUEL FEED PIPE PLIERS

- fuel feed pipe pliers made of iron steel.
- total length: 160 mm.
- to remove and replace of the connections on the in-line fuel filter.
- required when replacing the fuel filter or during engine repair.
- suitable for Opel/Vauxhall, Fiat, Volkswagen, Peugeot and Citroen.



ST-29070

FUEL FEED PIPE PLIERS

- fuel feed pipe pliers made of iron steel.
- thin body special designed for narrow area used.
- total length: 155 mm.
- to remove and replace of the connections on the in-line fuel filter.
- required when replacing the fuel filter or during engine repair.
- suitable for VW, Audi, Fiat, GM, Opel, Mercedes Benz 163 M-class with gas engines.



ST-29071

FUEL FEED PIPE PLIERS

- fuel feed pipe pliers made of sturdy forged steel.
- total length: 225 mm.
- to remove and replace of the connections on the in-line fuel filter.
- required when replacing the fuel filter or during engine repair.
- suitable for:
VW, Audi, Fiat, GM, Opel, Mercedes Benz 163 M-class with gas engines.



ST-29066

4PCS - OIL FUNNEL SET - Audi and VW

- funnel can be directly connected to oil filler necks, eliminating unsafe oil spills.
- engine oil bottles can be put up side down on funnel-hands-free and on person operation.
- large oil passage allows oil to flow down more rapidly.
- lower transparent chamber shows oil flows down to engine.
- applications:
Audi: A1, A2, A3, A4, A5, A6, A7, A8, Q2, Q3, Q5, Q6, Q7, Q8 and TT.
Seat: Alhambra, Arona, Ateca, Ibiza, Leon, Tarraco, Toledo.
Sköda: Fabia, Kamiq, Karoq, Kodiaq, Octavia, Repid, Scala, Superb, Yeti.
VW: Amarok, Arteon, Atlas, Beetle, Caddy CC, Crafter, Golf, Jetta, Polo, Scirocco, Sharan, T-Cross, Tiguan, Touareg, Touran, Transporter, T-Roc.



ST-29067

3PCS - OIL FUNNEL SET - Mercedes Benz and BMW

- funnel can be directly connected to oil filler necks, eliminating unsafe oil spills.
- engine oil bottles can be put up side down on funnel-hands-free and on person operation.
- large oil passage allows oil to flow down more rapidly.
- lower transparent chamber shows oil flows down to engine.
- applications:
BMW: 1 series, 2 series, 3 series, 4 series, 5 series, 6 series, 7 series, 8 series, X1, X2, X3, X4, X5, X6, X7, Z3, Z4.
Mercedes: C-class, CLA-class, CL-class, CLK-class, CLS-class, E-class, G-class, GLA-class, GLC-class, GL-class, M-class, GLE-class, GLK-class, GT-4-door, R-class, S-class, SL-class, SLK-class,



ST-29068

2PCS - OIL FUNNEL SET - Toyota, Audi, BMW, Mercedes, Volvo and VW

- funnel can be directly connected to oil filler necks, eliminating unsafe oil spills.
- engine oil bottles can be put up side down on funnel-hands-free and on person operation.
- large oil passage allows oil to flow down more rapidly.
- lower transparent chamber shows oil flows down to engine.
- applications:
- without adaptor for Toyota:
4Runner, Auris, Avalon, Avensis, Carmy, Celica, C-HR, Corolla, Corolla iM, Echo, FJ Curiser, Hiace, Highlander, IQ, Land Cruiser, Matrix, MR2 Spyder, Prius, RAV4, Sequoia, Sienna, Tacoma, Tundra, Venza, Verso, Yaris.
- with adaptor for
Audi: A1, A3, A4, A6, A8, Q7, TT.
BMW: 1 Series, 3 Series, 5 Series, 6 Series, 7 Series, 8 Series, X3, X5, X6, Z3, Z4, Z8.
Mercedes-Benz: A-class, B-class, C-class, CLK C208, CLS C219, E-class, G-class, M-class, R-class, S-class,
Volvo: 850, S70, S80, V70.
VW: Beetle, Bora, Caddy, CC, EOS, Golf, Jetta, LT, Lupo, Multivan, Passat Phaeton, Polo, Sharan, Touareg, Touran,



ST-29072

5PCS - PLASTIC OIL DRAIN PLUGS KIT

- required for proper removing and installing of the special plastic oil drain plug at plastic oil pan.
- contents: 1pc - assembly T-handle. 4pc - plastic oil drain plug.
- applications:
- Ford: C-max (2015~), Focus (2014~), Galaxy (2015~), Kuga (2014~) Mondeo (2014~), S-max (2015~), Edge (2015~), Escape (2014~)
- Peugeot: 308 (2013~), 508 (2014~), 3008 (2009~), 5008 (2009~), Traveller (2016~), Expert (2013~).
- Citroen: C4 (2013~), C5 (2009~), DS4 (2014~2015), DS5 (2013~2015), Jumpy (2016~), Space Tourer (2016~).
- Opel / Vauxhall: Grandland X (2017~).
- Toyota: Proace Verso (2016~).
- Mercedes Benz: M176, M177, M178 (2015~2018), M276 (2014~2018), OM642 (2013~), OM651 (2013~2018), OM654 (2016~2017).
- BMW: F07, F10, F11, F18, F20, F21, F22, F23, F30, F31, F32, F33, F34, F35, F36, F80, F82, F83, F87, E84, E89.
- VAG: Beetle, Caddy, CC, Golf, Jetta, Passat, Polo, Scirocco, sharan, Tiguan, Touran, A1, A3, A4, A5, A6, A7, Q3, Q5, Q7, TT, TTS, Ibiza, Octavia, Rapid, Superb, Yeti.
- Seat: Alhambra, Leon, Toledo.
- Porsche: 911 Carrera / Carrera S 3.0L (2017~), 911 Carrera 4 / Carrera 4S 3.0L. (2017~), 911 Targa 4 / Targa 4S 3.0L. (2017~), Macan 2.0L. (2017~)



ST-26015

MANUAL OPERATION FLUID EXTRACTOR

- three air outlet with check valve design on handle for easy and quick to release air pressure from the extractor.
- easy to operate suitable for engine oil, gear oil, brake fluid, coolant, water ...
- provide w/new decompression valve for easy to release the negative pressure.
- fixing valve and safety cup for automatic cut-off extracting.
- non-spark, non-power fluid extractor.
- include 3pcs nylon tubes can be extracting and non-corrosive fluid.
- include 1.5 meter silicone hose with one touch controller and universal rubber adapter, can fit to most type brake fitting.
- capacity: 7.5 litre.



ST-26016

MANUAL AND PNEUMATIC FLUID EXTRACTOR

- this machine is designed for the extraction of all type of engine, transmission and lubricating oils from car, motorcycle, marine engine and industrial machinery.
- available with manual or pneumatic operation.
- venturi system design to provide excellent performance.
- suitable also for low viscosity fluid such as water.
- include 4pcs nylon tubes can be extracting and non-corrosive fluid.
- capacity: 7.5 litre.



ST-25525

12V. ELECTRIC OIL EXTRACTOR SET

- electric oil suction tool set powered by 12V. Battery (not included), easy to use, and no need for air compressor.
- special level detection mechanism that shuts off the pump automatically when fluid level reaches to 4.3 L. to prevent the tank from being overfilled.
- tank made by special materials that can be made transparent, heat and suitable for extracting engine oil, coolant and ATF.
- extension tubes with outer diameters in 4, 6 and 8mm, suitable for oil dipstick tubes on different car makes.
- total tube length 2,700mm can reach oil dipsticks on tall engine bays on SUV, pickups and light trucks.
- extension tube storage system and tank lid can be detached easily for cleaning purposes.
- sturdy round base that holds the tank in place and avoid wobbling.
- 12V. Alligator battery clips total length: 150cmL.
- tank capacity: 5.5 Liter.



ST-25521

MANUAL OPERATION TRANSMISSION FILLING SYSTEM

- manual operated pump to fill seal transmission system.
- standard and optional adaptors cover all CVT and DSG design.
- pump stroke to minimize leakage when reaching overflow point.
- fluid control valve to shut off dispensing immediately.
- large transparent tank to see through fluid level.
- capacity: 7.5 liter.
- applications:
Ford, BMW, Honda, Nissan, VW, Audi, Porsche, Mini Cooper, Audi CVT, Mercedes Benz 722.9, DSG.



ST-25522

MANUAL OPERATION TRANSMISSION FILLING SYSTEM

- manual operated pump to fill seal transmission system.
- standard and optional adaptors cover all CVT and DSG design.
- pump stroke to minimize leakage when reaching overflow point.
- fluid control valve to shut off dispensing immediately.
- large transparent tank to see through fluid level.
- capacity: 9.5 liter.
- applications:
Ford, BMW, Honda, Nissan, VW, Audi, Porsche, Mini Cooper, Audi CVT, Mercedes Benz 722.9, DSG.



ST-25523

MANUAL OPERATION TRANSMISSION FILLING SYSTEM

- manual operated pump to fill seal transmission system.
- standard and optional adaptors cover all CVT and DSG design.
- pump stroke to minimize leakage when reaching overflow point.
- fluid control valve to shut off dispensing immediately.
- large transparent tank to see through fluid level.
- capacity: 4 liter.
- applications:
Ford, BMW, Honda, Nissan, VW, Audi, Porsche, Mini Cooper, Audi CVT, Mercedes Benz 722.9, DSG.



ST-25524

MANUAL OPERATION TRANSMISSION FILLING SYSTEM

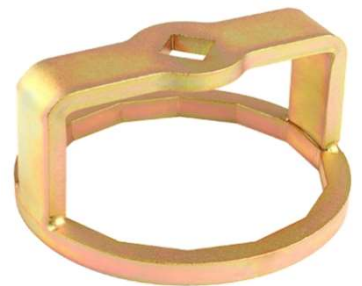
- manual operated pump to fill seal transmission system.
- standard and optional adaptors cover all CVT and DSG design.
- pump stroke to minimize leakage when reaching overflow point.
- fluid control valve to shut off dispensing immediately.
- large transparent tank to see through fluid level.
- capacity: 5 liter.
- applications:
Ford, BMW, Honda, Nissan, VW, Audi, Porsche, Mini Cooper, Audi CVT, Mercedes Benz 722.9, DSG, Volvo, Toyota Lexus, Skoda, VW Passat and VW Tiguan (after 2007).



ST-29073

FUEL TANK LOCKING RING REMOVAL TOOL

- used for the diesel / oil filter housing cap with 84mm / 14 flats Mercedes Ber
- this tool is operated with 1/2" dr. ratchet wrench.
- applications: diesel filter
A-class (W177), B-class (W247), C-class (W205/A205/C205/S205)
C-class (W206), CLA (C118/W118/X118), CLS (C257), E-class (W/S213, A/C238), G-class (W463), GLA (h247), GLB (X247), GLC-coupe (X253/C253), GLE-coupe, GLS (w167), S-class (W/C/V223), S-class/coupe/cabrio (W222, A/C217), Sprinter III (907, 910), V-class II (447), Vito III (447).
- applications: oil filter
C-class (W203/C203/S203), C-class (W204/C204/S204), CLK (A/C209), CLS/shooting brake (C/X218), CLS (C219), E-class (W/S211), E-class (W/S212), E-class couple/cabriolet (A/C207), E-class/cabrio (W/S213, A/C2380), G-class (W461/463), GL (X164), GL/GLS (X166), GLC/coupe (X253/C2530, GLE (W166), GLE-coupe (C292), GLK (X204), M-class (W164), M-class (W166), R-class (W251), S-class (W221), S-class/coupe/cabrio (W222, A/C217), Sprinter II (906), Sprinter III (907,910), Viano (639), Vito II (639), X-class (W470).



ST-29074

FUEL TANK LOCKING RING REMOVAL TOOL

- used for the oil filter housing cap with 80mm / 14 flats Hyundai and Kia.
- this tool is operated with 1/2" dr. ratchet wrench.
- suitable for Hyundai / Kia 1.6L. U3 CRDi (D4FE) diesel engine from 2018.
- applications: Hyundai
Tucson, Kona, i40, i30.
- applications: Kia
Sportage, Stonic, Soul, Ceed, ProCeed, Optima.



ST-29075

2PCS - FUEL TANK LOCKING RING REMOVAL TOOL SET

- kit includes tools for working on oil change service.
- this tool is operated with 1/2" dr. ratchet wrench for oil filter housing cap, and 3/8" dr. ratchet wrench for plastic oil drain plug.
- applications: Opel / Vauxhall 1.5L. Diesel engine from 2019. Astra K, Insignia B (F15DVC / F15DVH / D15DVC / D15DVH).



BRAKE DISC VERNIER CALIPER

ST-24672A measuring range: 0~60 mm. jaw length: 55 mmL.

ST-24672B measuring range: 0~60 mm. jaw length: 80 mmL.

- metric graduations only.
- hardened raised measuring tips to allow you to measure over the brake disc lip.
- vernier scale lock to allow you to open jaws & retain measurement.
- made of hardened stainless steel.
- engraved graduations.
- resolution - 0.1 mm.
- packed in wooden case.



BRAKE LINE BENDING PLIERS

ST-24037A capacity: 3/16" (outside diameter).

ST-24037B capacity: 3/16" & 1/4" (outside diameter).

- 180° bender - fibre-reinforced construction with full length steel handle
- inserts, no damage to tubing that can happen with other tools.
- use to make accurate radius and bend in 3/16", 1/4" tubing up to 180°.
- a tool must have when making your own brake, fuel or transmission lines.
- suitable for steel, aluminium and copper .



ST-24039

BRAKE PIPE BENDING PLIERS

- sizes from 4.75 - 10 mm (dia.) up to 90°.
- with 2 reversible bending from 3/16" ~ 1/4" (o.d.) and 5/16" ~ 3/8" (o.d.) for soft copper pipes.
- all non-ferrous metal pipes as well as thin-walled precision steel pipes and brake lines.
- total length: 260 mmL.



ST-24038

BRAKE PEDAL UNLOCKING PLIERS - VAG

- for unlocking the pressure rod of the brake booster from the brake pedal.
- required when replacing the master brake cylinder.
- simple handling.
- use with star bit T-45.
- for use on VAG vehicles.



INTERNAL AND EXTERNAL BRAKE PIPE DEBURRER

ST-24040A capacity: 1/8" ~ 1-5/8" (outside diameter).

ST-24040B capacity: 3/16" ~ 1-1/2" (outside diameter).

- used to remove burrs from metal pipes and plastic pipes.
- handy for quick, clean & easy I.D. reaming & O.D. beveling of 3~38mm tube.
- metal body construction with long-wearing alloy steel blade.
- gives fast, professional reaming on copper, aluminium, brass and other types of tubing.



ST-24035

6PCS - BRAKE DISC RUST REMOVAL TOOL SET

- to remove the rust, corrosion, and lip buildup around the edge of brake disc and hubs.
- the scraper is able to remove the old silicone on oil pans, carbon build-up on exhaust manifolds etc....
- simply fix the handle on the brake disc with the original wheel bolt, hold the scraper on the disc edge, and rotate the handle to remove the rust and corrosion.
- contents:
 - 1pc - rotary handle.
 - 1pc - scraper 32.5mm (w.) x 4.3mm (t.).
 - 4pc - washer 28mm (o.d.) x 15mm (i.d.) x 3mm (t.).



ST-32043

13PCS - UNIVERSAL LOCKING WHEEL NUT REMOVAL KIT

- the tool kit includes shroud which protects the wheel against any damage.
- simple to use master tool kit has the capability of removing practically any locking wheel nuts.
- including new model: Ford, Jaguar and Range Rover.
- contents:
 - 1pc - impact driver.
 - 3pc - blade C pack.
 - 1pc - center punch.
 - 1pc - blade A.
 - 1pc - hand protection ring.
 - 1pc - blade B.
 - 1pc - main body and outer shroud.
 - 1pc - 1/2" dr. x 24mm drive impact socket.
 - 3pc - locking wheel nut remover for Jaguar, Ford and Range Rover.



ST-24671

PSA EXHAUST PIPE CLAMP PLIERS

- specially designed tool for the removal and fitting of specialist PSA exhaust clamps.
- jaws opening: 60mm.
- total length: 300 mmL.
- comfort grip handles with self locking mechanism aid working on spring clamps.
- applications: Citroen, Peugeot and Renault exhaust clamps.
- also suitable for prizing open any type of clamp or clip secured with nut and bolt.



ST-24036

2PCS - EXHAUST RUBBER RING HOOK TOOL SET

- T-handle with plastic cover.
- 1pc hook has a 90° angle.
- 1pc hook has a 100° angle.
- for the dismantling and assembly of exhaust rubber stop ring.
- for vehicle with rubber ring mountings.



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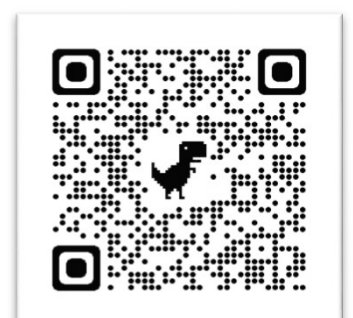
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