



PROTO

**INDUSTRY RUNS ON ELECTRICITY,
WHICH MAKES YOU A VITAL RELAY STATION.**

Proto® knows you keep the lights on. Our electrical line includes more than 300 specialized tools to cut, crimp, bend, move, or secure wire and cable – and do it easier, faster, and safer. We also know you can't shut down an entire plant to fix a breaker panel. That's why the centerpiece of our electrical line is an extensive set of 1,000-Volt Insulated Tools — screwdrivers, pliers, cutting tools, wrenches, drive tools and keys — wrapped with a thick layer of plastic insulation and individually tested to 1000 V AC and 1,500 V DC. It's industrial strength electrical. Just like you.

ELECTRICAL TOOLS



Facom® Insulated VE Diagonal Cutters

25 PC ELECTRICIAN'S TOOL SET

Product #: **JTS-0025ELEC**



- › 25 Pieces.
- › Contains: 1 Wrench, 1 Striking and Struck Tool, 6 Pliers, 6 Screwdrivers, 11 Miscellaneous Tools.
- › Enhanced version of Proto® 90-732 Electrician's Tool Set.
- › Weight: 20 lbs.



Representative Image; Contents May Differ

Contents	Description
J95230	Belt, Wide Web 2"
95-112W	Flashlight, Stanley® TriPod 20 LUMENS
20-001	Hacksaw, High Tension Low Profile 12"
15-809	Hacksaw, Metal Mini
51-505	Hammer, Jacketed Graphite Nailing CC 16 oz.
J18500	Knife, Electricians 3-3/4"
10-788	Knife, QuickChange™ Retractable Blade Utility
43-609	Level, FatMax® Xtreme™ Torpedo 9"
J209G	Pliers, Diagonal Cutting with Grip 7-5/16"
J268G	Pliers, Lineman's with Grip 8-5/8"

Contents	Description
J240G	Pliers, Needle-Nose Long Reach 11-9/16"
J226G	Pliers, Needle-Nose with Cutter 6-5/8"
J260SG	Pliers, Tongue and Groove 10-3/16" with Grip
J299	Pliers, Wire Stripper/Crimper 8-1/2"
20-556	Saw, FatMax® Jab
66-565P	Screwdriver, 6 PC Stanley® Vinyl Grip
33-725	Tape Rule, FatMax® 1-1/4" x 25'
511150M	Tool Bag, FatMax® Technician 12"
J708G	Wrench, Adjustable, 8" Grip

FACOM® 39 PIECE 1000V VSE



Product #: FC-2184C.VSE

- › For workshop or on-site electrical work.
- › Supplied in case.
- › Contains: 1 Wrench, 1 Striking and Struck Tools,

- 6 Pliers, 6 Screwdrivers, 11 miscellaneous Tools.
- › Weight: 32.25 lbs.



Representative Image; Contents May Differ

Contents	Description
FA-412.14AVSE	Cutter, Cable 1000V VSE 9 in
FA-414.45AVSE	Cutter, Cable RCH 1000V VSE 1-3/4 in Diagonal
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-195.20AVSE	Pliers, Bentnose 1000V VSE 7-7/8"
FA-187.18AVSE	Pliers, Combo 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagonal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagonal Cutter 1000V VSE 6-1/2"
FA-190.16AVSE	Pliers, Endcutter 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flatnose 1000V VSE 6-1/2"
FA-180.VSE	Pliers, Multigrip 1000V VSE 10"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FM-DELA.401.00	Rule, Folding 2M
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slotted 7-7/8"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"

Contents	Description
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-A10X200VE	Screwdriver, 1000V 10 mm Slotted 12-3/4"
FW-AP1X100VE	Screwdriver, 1000V PH1
FW-AP2X125VE	Screwdriver, 1000V PH2
FW-AD1X100VE	Screwdriver, 1000V PZ1
FW-AD3X150VE	Screwdriver, 1000V PZ3
FT-701A	Tester, Multifunction
FT-BV.5A	Tool Briefcase 2184CVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2 in
FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm
FM-46.21AVSE	Wrench, Combination 1000V VSE 20 mm
FM-94T.8AVSE	Nut Driver, T-Handle 1000V VSE 8 mm
FM-94T.10AVSE	Nut Driver, T-Handle 1000V VSE 10 mm
FM-94T.13AVSE	Nut Driver, T-Handle 1000V VSE 13 mm



FACOM® 40 PIECE 1000V VSE**Product #: FC-2187C.VSE**

- › Supplied in leather case.
- › Contains: 10 Sockets and Accessories, 9 Wrenches, 6 Pliers, 10 Screwdrivers, 6 Miscellaneous Tools.
- › Weight: 19.6 lbs.



Representative Image; Contents May Differ

Contents	Description	Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm	FW-AP1X100VE	Screwdriver, 1000V Round Bar #1 x 4"
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm	FW-AP2X125VE	Screwdriver, 1000V Round Bar #2 x 5"
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm	FM-R.10AVSE	Socket, 1/4" DR 1000V VSE 10 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"	FM-R.12AVSE	Socket, 1/4" DR 1000V VSE 12 mm
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4.5"	FM-R.6AVSE	Socket, 1/4" DR 1000V VSE 6 mm
FT-BC.109VSE	Gloves, Leather Size 9"	FM-R.7AVSE	Socket, 1/4" DR 1000V VSE 7 mm
FM-83.3AVSE	Hex Key, 1000V VSE 3 mm	FM-R.8AVSE	Socket, 1/4" DR 1000V VSE 8 mm
FM-83.4AVSE	Hex Key, 1000V VSE 4 mm	FT-AV.HT1B	Screwdriver, Volt Test 90-480V
FM-83.6AVSE	Hex Key, 1000V VSE 6 mm	FT-701A	Tester, Multifunction
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"	FT-BV.7A	Tool, Briefcase
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"	FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"	FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"	FM-46.8AVSE	Wrench, Combination 1000V VSE 8 mm
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"	FM-46.10AVSE	Wrench, Combination 1000V VSE 10 mm
FW-A3.5X100VE	Screwdriver, 1000V 3.5 mm Slotted 7-7/8"	FM-46.11AVSE	Wrench, Combination 1000V VSE 11 mm
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"	FM-46.12AVSE	Wrench, Combination 1000V VSE 12 mm
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"	FM-46.13AVSE	Wrench, Combination 1000V VSE 13 mm
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"	FM-46.14AVSE	Wrench, Combination 1000V VSE 14 mm
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"	FM-46.17AVSE	Wrench, Combination 1000V VSE 17 mm
FW-APQX75VE	Screwdriver, 1000V PHO	FM-46.19AVSE	Wrench, Combination 1000V VSE 19 mm



FACOM® 28 PIECE 1000V VSE



Product #: FC-2185C.VSE

- › Supplied in a case with modular storage.
- › Basic general purpose tools supplied in a plastic box.
- › Spare capacity for additional tools.
- › Contains: 10 Sockets and Accessories, 1 Wrench,
- › 6 Pliers, 7 Screwdrivers, 4 Miscellaneous Tools
- › Weight: 16.51 lbs.



Representative Image; Contents May Differ

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 4 mm
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 5 mm
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V VSE 6 mm
FA-412.14AVSE	Cutter, Cable 1000V VSE 9"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-1/2"
FT-BC.109VSE	Gloves, Leather Size 9"
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-192.16AVSE	Pliers, Diagonal 1000V VSE 6-1/2"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-188.16AVSE	Pliers, Flat Nose 1000V VSE 6-1/2"
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FM-DELA.401.00	Rule, Folding 2 mm
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"

Contents	Description
FW-A6.5X150VE	Screwdriver, 1000V 6.5 mm Slotted 10-1/2"
FW-A8X150VE	Screwdriver, 1000V 8 mm Slotted 10-1/2"
FW-AP1X100VE	Screwdriver, 1000V PH1
FW-AP2X125VE	Screwdriver, 1000V PH2
FT-AV.HT1B	Screwdriver, Voltage Test 90-480V
FM-R.6AVSE	Socket, 1/4 DR 1000V VSE 6 mm
FM-R.7AVSE	Socket, 1/4 DR 1000V VSE 7 mm
FM-R.8AVSE	Socket, 1/4 DR 1000V VSE 8 mm
FM-R.10AVSE	Socket, 1/4 DR 1000V VSE 10 mm
FM-R.12AVSE	Socket, 1/4 DR 1000V VSE 12 mm
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"
FA-113.10TAVSE	Wrench, Adjustable 1000V VSE 10"
FT-BP.P26	Tool Box



FACOM® 9 PIECE 1000V VSE



Product #: **FC-2180B.VSE**

- › Basic set for servicing workshop electrical gear.
- › Supplied in leather case.
- › Contains: 3 Screwdrivers, 4 Pliers, 2 Miscellaneous Tools.
- › Weight: 4.12 lbs.



Representative Image; Contents May Differ

Contents	Description
FT-1820.AVSE	Knife, 1000V VSE 2-3/8"
FA-187.18AVSE	Pliers, Combination 1000V VSE 7-1/4"
FA-391.16AVSE	Pliers, Diagonal Cutters 1000V VSE 6-1/2"
FA-189.17AVSE	Pliers, Round Nose 1000V VSE 6-1/2"
FW-A4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"

Contents	Description
FW-A5.5X150VE	Screwdriver, 1000V 5.5 mm Slotted 10-1/8"
FW-AP1X100VE	Screwdriver, 1000V PH1
FT-BV.100	Tool Bag, Leather 2180BVSE
FA-194.17AVSE	Wire Stripper, 1000V VSE 6-1/2"

FACOM® INSULATED RATCHETS



- › Sockets and accessories secured by spring-ball.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.151AVSE	1/4	4-7/8	0.28
FT-J.151AVSE	3/8	7	0.53
FT-S.151AVSE	1/2	10-3/8	1.24



FACOM® INSULATED T-HANDLES



- › Sockets and accessories secured by spring-ball.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.

Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-J.121AVSE	3/8	8	0.85
FT-S.121AVSE	1/2	8-17/64	1.15



FACOM® INSULATED EXTENSIONS



Product #	Drive Size (in)	Overall Length (in) (L)	Weight (lbs)
FT-R.210AVSE	1/4	4-9/16	0.12
FT-J.210AVSE	3/8	5-29/32	0.33
FT-J.215AVSE	3/8	10-15/64	0.64
FT-S.210AVSE	1/2	5-45/64	0.55
FT-S.215AVSE	1/2	10-7/16	1.04



FACOM® 1/4" DRIVE 10 PIECE METRIC INSULATED SOCKET SET - 6 POINT



Product #: **FC-R.400AVSE**

- › 1000V AC and 1500DC Insulated Socket Set
- › Sockets: 6-12 mm
- › Hex Bit Sockets: 4-6 mm
- › Metric Size: Sockets: 6, 7, 8, 10, 12 mm
- › Accessories: Ratchet and 4-9/16 Inch Extension.
- › Weight (lbs): 1.47

Contents	Description
FM-RT.4AVSE	Socket, Hex Bit 1/4 DR 1000V AC 4 mm 6 PT
FM-RT.5AVSE	Socket, Hex Bit 1/4" DR 1000V AC 5 mm 6 PT
FM-RT.6AVSE	Socket, Hex Bit 1/4" DR 1000V AC 6 mm 6 PT
FM-R.6AVSE	Socket, 1/4" DR 1000V AC 6 mm 6 PT
FM-R.7AVSE	Socket, 1/4" DR 1000V AC 7 mm 6 PT
FM-R.8AVSE	Socket, 1/4" DR 1000V AC 8 mm 6 PT
FM-R.10AVSE	Socket, 1/4" DR 1000V AC 10 mm 6 PT
FM-R.12AVSE	Socket, 1/4" DR 1000V AC 12 mm 6 PT
FT-R.151AVSE	Ratchet, 1/4" DR 1000V VSE 4-7/8"
FT-R.210AVSE	Extension, 1/4" DR 1000V VSE 4-9/16"



FACOM® 3/8" DRIVE 9 PIECE INSULATED SOCKET SET - 12 POINT



Product #: **FC-J.401AVSE**

- › 1000V AC and 1500DC Insulated Socket Set
- › Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- › Accessories: Ratchet, T-Handle, and Extension. Weight (lbs): 3.2

Contents	Description
FM-J.8AVSE	Socket, 3/8" DR 1000V VSE 8 mm
FM-J.10AVSE	Socket, 3/8" DR 1000V VSE 10 mm
FM-J.11AVSE	Socket, 3/8" DR 1000V VSE 11 mm
FM-J.12AVSE	Socket, 3/8" DR 1000V VSE 12 mm
FM-J.13AVSE	Socket, 3/8" DR 1000V VSE 13 mm
FM-J.14AVSE	Socket, 3/8" DR 1000V VSE 14 mm
FT-J.151AVSE	Ratchet, 3/8" DR 1000V VSE 7"
FT-J.210AVSE	Extension, 3/8" DR 1000V VSE 5-29/32"
FT-J.215AVSE	Extension, 3/8" DR 1000V VSE 10-1/4"



FACOM® 3/8" DRIVE 17 PIECE INSULATED SOCKET SET - 12 POINT

Product #: **FC-J.401AVSE**



- › 1000V AC and 1500DC Insulated Socket Set
- › Hex Bit Sockets: 4,5,6,7,8 mm
- › Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- › Accessories: Ratchet, T-Handle, and Extension. Weight (lbs): 4.96

Contents	Description
FM-JT.4AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 4 mm
FM-JT.5AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 5 mm
FM-JT.6AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 6 mm
FM-JT.7AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 7 mm
FM-JT.8AVSE	Socket, Hex Bit 3/8" DR 1000V VSE 8 mm
FM-J.8AVSE	Socket, 3/8" DR 1000V VSE 8 mm
FM-J.10AVSE	Socket, 3/8" DR 1000V VSE 10 mm
FM-J.11AVSE	Socket, 3/8" DR 1000V VSE 11 mm
FM-J.12AVSE	Socket, 3/8" DR 1000V VSE 12 mm
FM-J.13AVSE	Socket, 3/8" DR 1000V VSE 13 mm
FM-J.14AVSE	Socket, 3/8" DR 1000V VSE 14 mm
FM-J.15AVSE	Socket, 3/8" DR 1000V VSE 15 mm
FM-J.17AVSE	Socket, 3/8" DR 1000V VSE 17 mm
FM-J.19AVSE	Socket, 3/8" DR 1000V VSE 19 mm
FT-J.121AVSE	T-Handle, 3/8" DR 1000V VSE
FT-J.151AVSE	Ratchet, 3/8" DR 1000V VSE 7"
FT-J.210AVSE	Extension, 3/8" DR 1000V VSE 5-29/32"



FACOM® 1/2" DRIVE 12 PIECE INSULATED SOCKET SET - 12 POINT

Product #: **FC-S.400AVSE**



- › 1000V AC and 1500DC Insulated Socket Set
- › Metric Size Sockets: 8,10,11,12,13,14,15,17,19 mm
- › Accessories: Ratchet, T-Handle, and Extension. Weight (lbs): 5.4

Contents	Description
FM-S.8AVSE	Socket, 1/2 DR 1000V SE 8 mm
FM-S.9AVSE	Socket, 1/2 DR 1000V SE 9 mm
FM-S.10AVSE	Socket, 1/2 DR 1000V SE 10 mm
FM-S.11AVSE	Socket, 1/2 DR 1000V SE 11 mm
FM-S.12AVSE	Socket, 1/2 DR 1000V SE 12 mm
FM-S.13AVSE	Socket, 1/2 DR 1000V SE 13 mm
FM-S.14AVSE	Socket, 1/2 DR 1000V SE 14 mm
FM-S.17AVSE	Socket, 1/2 DR 1000V SE 17 mm
FM-S.19AVSE	Socket, 1/2 DR 1000V SE 19 mm
FT-S.151AVSE	Ratchet 1/2 DR 1000V SE 10-3/8"
FT-S.210AVSE	Extension 1/2 DR 1000V SE 5-3/4"
FT-S.215AVSE	Extension 1/2 DR 1000V SE 10-5/8"



FACOM® 1/4" DRIVE INSULATED SOCKETS - 6 POINT



- › For manual use.
- › For working on live components up to 1000V AC and 1500 DC.



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-R.6AVSE	6	5/8	55/64	55/64	0.04
FM-R.7AVSE	7	43/64	55/64	55/64	0.04
FM-R.8AVSE	8	43/64	55/64	55/64	0.04
FM-R.10AVSE	10	45/64	55/64	55/64	0.06
FM-R.12AVSE	12	55/64	55/64	55/64	0.07

FACOM® 1/4" DRIVE INSULATED HEX BIT SOCKETS



- › For manual use.
- › For working on live components up to 1000V AC and 1500 DC.

Product #	Size (mm)	Overall Length (in) (L)	Weight (lbs)
FM-RT.4AVSE	4	1-29/64	0.05
FM-RT.5AVSE	5	1-29/64	0.06
FM-RT.6AVSE	6	1-29/64	0.06



FACOM® 3/8" DRIVE METRIC INSULATED SOCKETS - 12 POINT



- › For manual use.
- › For working on live components up to 1000V AC and 1500DC.

Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8AVSE	8	43/64	45/64	1-11/16	0.08
FM-J.10AVSE	10	25/32	45/64	1-11/16	0.08
FM-J.11AVSE	11	53/64	45/64	1-13/16	0.08
FM-J.12AVSE	12	55/64	45/64	1-13/16	0.09
FM-J.13AVSE	13	29/32	45/64	1-13/16	0.10
FM-J.14AVSE	14	63/64	45/64	1-13/16	0.10
FM-J.15AVSE	15	63/64	45/64	1-13/16	0.11
FM-J.16AVSE	16	1-1/16	45/64	1-13/16	0.13
FM-J.17AVSE	17	1-1/16	45/64	1-13/16	0.15
FM-J.18AVSE	18	1-9/64	45/64	1-13/16	0.16
FM-J.19AVSE	19	1-7/32	45/64	1-31/32	0.16



FACOM® 3/8" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-J.8LAVSE	8	3/4	45/64	2-31/64	0.10
FM-J.13LAVSE	13	55/64	45/64	2-31/64	0.17
FM-J.14LAVSE	14	29/32	45/64	2-23/64	0.18
FM-J.16LAVSE	16	29/32	45/64	2-63/64	0.27
FM-J.17LAVSE	17	63/64	45/64	2-63/64	0.33
FM-J.18LAVSE	18	1-1/16	45/64	2-63/64	0.37
FM-J.19LAVSE	19	1-7/64	45/64	2-63/64	0.33



FACOM® 3/8" DRIVE INSULATED HEX BIT SOCKETS



- › For manual use.
- › For working on live components up to 1000V AC and 1500 DC.

Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-JT.4AVSE	4	25/64	45/64	3-5/32	0.10
FM-JT.5AVSE	5	25/64	45/64	2-9/16	0.10
FM-JT.6AVSE	6	25/64	45/64	2-9/16	0.10
FM-JT.7AVSE	7	25/64	45/64	2-9/16	0.11
FM-JT.8AVSE	8	25/64	45/64	2-3/4	0.13
FM-JT.10AVSE	10	25/64	45/64	2-3/4	0.13



FACOM® 1/2" DRIVE METRIC INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.8AVSE	8	43/64	55/64	2-5/32	0.14
FM-S.9AVSE	9	45/64	55/64	3-5/32	0.15
FM-S.10AVSE	10	3/4	55/64	2-5/32	0.14
FM-S.11AVSE	11	25/32	55/64	2-5/32	0.15
FM-S.12AVSE	12	55/64	55/64	2-5/32	0.15
FM-S.13AVSE	13	29/32	55/64	2-5/32	0.16
FM-S.14AVSE	14	15/16	55/64	3-5/32	0.16
FM-S.17AVSE	17	1-7/64	55/64	2-5/32	0.18
FM-S.19AVSE	19	1-17/64	55/64	2-5/32	0.20
FM-S.21AVSE	21	1-19/64	55/64	2-5/32	0.23
FM-S.22AVSE	22	1-11/32	55/64	2-5/32	0.25

FACOM® 1/2" DRIVE METRIC DEEP INSULATED SOCKETS - 12 POINT



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in) (L)	Weight (lbs)
FM-S.12LAVSE	12	55/64	55/64	3-1/32	0.39
FM-S.13LAVSE	13	29/32	55/64	3-1/32	0.39
FM-S.14LAVSE	14	15/16	55/64	3-1/32	0.39
FM-S.16LAVSE	16	1-1/16	55/64	3-1/32	0.39
FM-S.17LAVSE	17	1-3/32	55/64	3-1/32	0.39
FM-S.18LAVSE	18	1-5/32	55/64	3-1/32	0.47
FM-S.19LAVSE	19	1-1/4	55/64	3-1/32	0.52

FACOM® 1/2" DRIVE INSULATED HEX BIT SOCKETS



Product #	Size (mm)	Nut End Outside Dia. (in) (B)	Drive End Outside Dia. (in) (C)	Overall Length (in)(L)	Weight (lbs)
FM-ST.8AVSE	8	5/16	55/64	2-3/4	0.19
FM-ST.10AVSE	10	25/64	55/64	2-3/4	0.19
FM-ST.12AVSE	12	15/32	55/64	3-5/8	0.31
FM-ST.14AVSE	14	35/64	55/64	3-5/8	0.34
FM-ST.17AVSE	17	43/64	55/64	3-5/8	0.37



FACOM® INSULATED BOX WRENCHES - 12 POINT



- › Insulated to 1000V or 1500 DC.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › 12 point box end allows for fine indexing, helping to improve speed and access.
- › Fits 4, 6, and 12 point fasteners.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Offset Height (in) (E)	Overall Length (in)	Weight (lbs)
FM-55.8AVSE	8	5/8	5/16	5/8	6-1/32	0.12
FM-55.9AVSE	9	43/64	23/64	43/64	6-1/2	0.13
FM-55.10AVSE	10	3/4	23/64	43/64	6-5/16	0.12
FM-55.11AVSE	11	25/32	25/64	3/4	6-11/16	0.15
FM-55.12AVSE	12	53/64	7/16	25/32	6-7/8	0.23
FM-55.13AVSE	13	29/32	15/32	25/32	7-3/32	0.22
FM-55.14AVSE	14	63/64	15/32	53/64	7-15/32	0.27
FM-55.15AVSE	15	1-1/32	15/32	53/64	7-11/16	0.29
FM-55.16AVSE	16	1-1/16	33/64	1-1/32	8-1/16	0.34
FM-55.17AVSE	17	1-3/16	35/64	1-1/16	7-7/8	0.34
FM-55.18AVSE	18	1-3/16	35/64	1-1/16	8-7/8	0.46
FM-55.19AVSE	19	1-17/64	35/64	1-1/16	9-1/4	0.49
FM-55.21AVSE	21	1-3/8	5/8	1-7/32	10-1/32	0.75

FACOM® INSULATED VSE METRIC OPEN END WRENCHES



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Specific heat treatment and oiled quenching achieve core hardness without embrittlement or distortion.
- › Size tolerances applied by Facom® exceed standard specifications.



Product #	Size (mm)	Outside Head Width (in) (C)	Head Thickness (in) (D)	Overall Length (in)	Weight (lbs)
FM-46.8AVSE	8	55/64	7/8	4-23/32	0.07
FM-46.9AVSE	9	15/16	5/16	4-29/32	0.09
FM-46.10AVSE	10	63/64	31/32	5-1/8	0.11
FM-46.11AVSE	11	1-9/64	1-5/32	5-5/16	0.12
FM-46.12AVSE	12	1-3/16	1-3/16	5-5/16	0.14
FM-46.13AVSE	13	1-17/64	1-1/4	5-29/32	0.17
FM-46.14AVSE	14	1-11/32	1-11/32	6-5/16	0.20
FM-46.15AVSE	15	1-27/64	1-13/32	6-5/16	0.20
FM-46.16AVSE	16	1-1/2	1-1/2	6-11/16	0.26
FM-46.17AVSE	17	1-39/64	1-5/8	7-3/32	0.29
FM-46.18AVSE	18	1-21/32	1-21/32	7-3/32	0.33
FM-46.19AVSE	19	1-49/64	1-25/32	7-11/16	0.34
FM-46.21AVSE	21	1-31/32	35/64	7-9/32	0.40

FACOM® INSULATED ADJUSTABLE WRENCHES



- › Finger stops help keep hands safe.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity is compromised.
- › Graduated head, 15° angle.
- › Burnished finish.
- › Thumbwheel rotates counterclockwise.

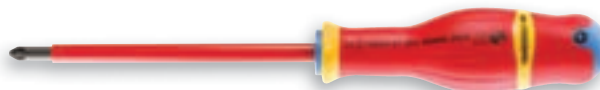


Product #	Max Opening (in)	Overall Length (in)	Weight (lbs)
FA-113.8TAVSE	1-1/16	8-15/32	0.83
FA-113.10TAVSE	1-3/16	10-7/16	1.37
FA-113.12TAVSE	1-11/32	12-19/32	1.93
FA-113.15TAVSE	1-47/64	15-9/16	3.12

FACOM® INSULATED SCREWDRIVERS



- › Designed for working on live components up to 1000V AC and 1500V DC.



Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-AD0X75VE	PZ0	Pozidriv®	3	Round	7	0.10
FW-AD1X100VE	PZ1	Pozidriv®	4	Round	8-1/4	0.16
FW-AD3X150VE	PZ3	Pozidriv®	6	Round	10-53/64	0.43
FW-AP0X75VE	0	Phillips®	3	Round	7	0.10
FW-AP1X100VE	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	2	Phillips®	5	Round	9-3/4	0.28
FW-AP3X150VE	3	Phillips®	6	Round	10-3/4	0.43
FW-AP4X200VE	4	Phillips®	8	Round	13	0.61
FW-A10X200VE	10	Cabinet	7-7/8	Round	12-3/4	0.61
FW-A12X250VE	12	Cabinet	9-7/8	Round	14-3/4	0.89
FW-A2.5X50VE	2.5 mm	Cabinet	2	Round	5-7/8	0.06
FW-A2.5X75VE	2.5 mm	Cabinet	3	Round	6-7/8	0.06
FW-A3.5X100VE	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A3.5X75VE	3.5 mm	Cabinet	3	Round	6-7/8	0.11
FW-A3X75VE	3 mm	Cabinet	3	Round	6-7/8	0.10
FW-A4X100VE	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A4X150VE	4 mm	Cabinet	5-7/8	Round	9-7/8	0.17
FW-A5.5X125VE	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A5.5X150VE	5.55 mm	Cabinet	5-7/8	Round	10-1/8	0.21
FW-A5.5X200VE	5.5 mm	Cabinet	7-7/8	Round	12-1/2	0.21
FW-A6.5X150VE	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-A6.5X200VE	6.5 mm	Cabinet	7-7/8	Round	12-1/2	0.35
FW-A8X150VE	8 mm	Cabinet	5-7/8	Round	10-1/2	0.43
FW-A8X200VE	8 mm	Cabinet	7-7/8	Round	12-3/4	0.48



FACOM® 8 PIECE 1000V INSULATED SCREWDRIVER SET



Product #: FW-MOD.A1VE

- › Set includes: PZ1, PZ2, 1, 2, 3.5 mm, 4 mm, 5.5 mm, and 6.5 mm sizes.
- › Designed for working on live components up to 1000V AC and 1500V DC.
- › Ergonomically designed, Bi-Material handle.
- › Strong, comfortable grip for high torque action.
- › Carbon silicon steel blade for strength.
- › Black tip to retain the dimensional accuracy of the machined tip.
- › Weight (lbs): 2.34



Contents	Description	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
FW-A3.5X100VE	Screwdriver, Round Bar Slotted 3.5 mm x 4"	3.5 mm	Cabinet	4	Round	7-7/8	0.12
FW-A4X100VE	Screwdriver, Round Bar Slotted 4 mm x 4"	4 mm	Cabinet	4	Round	7-7/8	0.16
FW-A5.5X125VE	Screwdriver, Round Bar Slotted 5.5 mm x 5"	5.5 mm	Cabinet	5	Round	8-7/8	0.20
FW-A6.5X150VE	Screwdriver, Round Bar Slotted 6.5 mm x 5-7/8"	6.5 mm	Cabinet	5-7/8	Round	10-1/2	0.31
FW-AP1X100VE	Screwdriver, Round Bar #1 x 4"	1	Phillips®	4	Round	8-1/4	0.16
FW-AP2X125VE	Screwdriver, Round Bar #2 x 5"	2	Phillips®	5	Round	9-3/4	1.50
FW-AD1X100VE	Screwdriver, Pozidriv® Round Bar PZ1 x 4"	PZ1	Pozidriv®	4	Round	8-1/4	0.16
—	Screwdriver, Pozidriv® Round Bar PZ2 x 5"	PZ2	Pozidriv®	5	Round	9-3/4	1.50

INSULATED NUT DRIVERS

- › Insulated to 1000V AC or 1500 DC.

Product #	Size (in)	Length (in)	Weight (lbs)
FM-71.1AVSE	6x8 10x12	6	0.36
FM-71.2AVSE	6x9 11x13	6	0.54
FM-71.3AVSE	8x10 12x14	6	0.56



INSULATED T-HANDLES

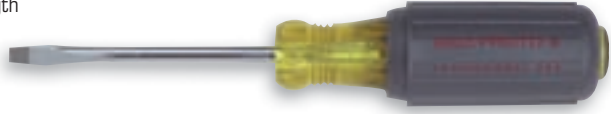
- › Insulated to 1000V AC or 1500 DC.

Product #	Size (mm)	Length (in)	Weight (lbs)
FM-94T.6AVSE	6	5-3/4	0.33
FM-94T.8AVSE	8	5-3/4	0.36
FM-94T.10AVSE	10	5-3/4	0.41
FM-94T.11AVSE	11	5-3/4	0.47
FM-94T.12AVSE	12	5-3/4	0.47
FM-94T.13AVSE	13	5-3/4	0.50
FM-94T.14AVSE	14	5-3/4	0.50
FM-94TL.10AVSE	10	12-1/2	0.91
FM-94TL.13AVSE	13	12-1/2	1.15
FM-94TL.16AVSE	16	12-1/2	1.85
FM-94TL.17AVSE	17	12-1/2	1.92
FM-94TL.19AVSE	19	12-1/2	2.06



PROTO® SOFT GRIP SLOTTED SCREWDRIVERS

- › Precision tips for tight tolerance and fastener fit.
- › Custom designed handles constructed of dual materials with hard center core for strength with cushion grip for comfort and control.
- › Blades are constructed from high-alloy steel for high-strength and performance. Plated to resist corrosion.
- › Cushion handle tapered for easy gripping and comfort.
- › Flutes designed for better turning.
- › Not insulated against electrical shock.



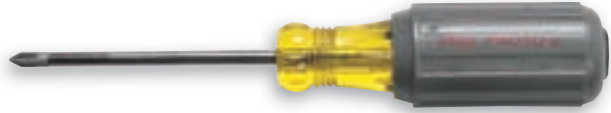
Product #	Tip Size	Tips	Shank Length (in) (L1)	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9406	5/16	Keystone	6	Round	10-13/32	0.35
J9408	3/8	Keystone	8	Round	13-1/2	0.62
J9403	3/16	Keystone	3	Round	6-3/4	0.17



ASME B107.600

PROTO® SOFT GRIP PHILLIPS® SCREWDRIVERS

- › Precision machined tips for precise fastener fit.
- › Four-sided handle with broad, shallow flutes for a firm grip and comfort.
- › Non-slip grip increases torque and maximizes comfort.
- › Blasted tips resist chrome peeling.
- › Wear-hardened for precise cross point dimensions and long life.
- › Not insulated against electrical shock.



Product #	Tip Size	Tips	Shank Type	Overall Length (in) (L)	Weight (lbs)
J9482	1	Phillips®	Round	6-3/4	0.17
J9484	2	Phillips®	Round	8-11/32	0.27



6 PIECE FACOM® 1000V VE PLIER/SCREWDRIVER SET



Product #: FW-184.J5VE

- › Designed for working on live components up to 1000V AC and 1500V DC.

Contents	Description
FA-185.20VE	Pliers, Halfround 1000V VE 7-7/8"
FA-187.18VE	Pliers, Combo 1000V VE 7-1/4"
FA-192.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/4"
FW-ADY.1X100VE	Screwdriver, 1000V Pozidriv®
FW-AY.4X100VE	Screwdriver, 1000V 4 mm Slotted 7-7/8"
FW-AY.5.5X125V	Screwdriver, 1000V 5.5 mm Slotted 8-7/8"



FACOM® 3 PIECE VE PLIERS SET



Product #: FW-MOD.VE

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Handles designed to resist workshop chemicals (Skydrol®, chlorothene, acetone, petrol).

Contents	Description
FA-180.VE	Pliers, Multigrip 1000V VE 10"
FA-194.17VE	Pliers, Wire Stripper 1000V VE 6-1/2"
FA-391.16VE	Pliers, Diagonal Cutting 1000V VE 6-1/2"

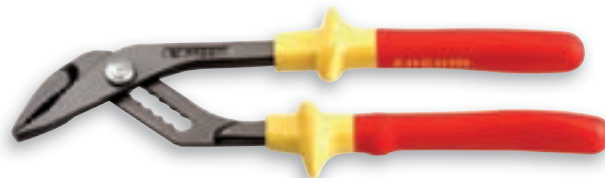


FACOM® INSULATED VE MUTIGRIP PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.

Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VE	10	10	1-3/16	7/8	0.78



FACOM® INSULATED VE HALF ROUND PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Side cutter for steel wire up to 14AWG.
- › Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20VE	7-7/8	7-7/8	2-15/16	11/32	0.45
FA-193.16VE	6-1/2	6-7/8	1-13/16	11/32	0.41



FACOM® INSULATED VE COMBINATION PLIERS

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › High-frequency hardened cutting edges for power and durability.
- › Nose profile combines strength and maneuverability.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16VE	6-1/2	6-1/2	1-11/32	3/8	0.43
FA-187.18VE	7-1/4	7-9/32	1-13/32	13/32	0.53

FACOM® INSULATED VE FLAT NOSE PLIERS

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Serrated jaws for firm grip.
- › Nose designed for confined spaces.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16VE	6-1/2	6-11/16	1-13/16	11/32	0.38
FA-188.20VE	7-7/8	8-1/16	2-15/16	11/32	0.42

FACOM® INSULATED VE ROUND NOSE PLIERS

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › For shaping loops, bends or rings.
- › Serrated jaws.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17VE	6-1/2	6-7/8	1-13/16	11/32	0.37

FACOM® INSULATED WIRE STRIPPER PLIERS

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Jaws angled at 40°.
- › Cuts single and multi-cone wire up to 14 AWG.
- › Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17VE	6-1/2	7-11/16	1	5/8	0.38

FACOM® INSULATED VE BENT NOSE PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Jaws angled at 40°.
- › Cuts single and multi-cone wire up to 14 AWG.
- › Serrated jaws with central area for handling rods.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.16VE	6-3/8	6-7/8	1-5/8	11/32	0.39
FA-195.20VE	7-7/8	7-15/32	2-3/4	11/32	0.43

FACOM® INSULATED VE END CUTTER PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 12 AWG.
- › Offset pivot to help reduce manual cutting efforts required with a center pivot point.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16VE	6-1/2	6-1/2	1/4	7/16	0.51

FACOM® INSULATED VE DIAGONAL PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › High-frequency hardened cutting edges ensure durable cut quality for hard wire up to 200kg/mm.
- › Offset pivot for reduced cutting effort.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14VE	5-3/4	5-23/32	5/8	3/8	0.36
FA-192.16VE	6-1/4	6-7/8	23/32	13/32	0.46
FA-192.18VE	7-1/8	7-15/32	25/32	7/16	0.57

FACOM® INSULATED VE DIAGONAL CUTTERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Edges designed for clean cut in copper wire.
- › High-frequency hardened cutting edges for durable cut accuracy.
- › Snipe nose for maneuverability in control cabinets or cutting cable loom ties.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16VE	6-1/2	6-11/16	3/4	13/32	0.46

FACOM® INSULATED HEX KEYS

- › Hardened alloy-steel exceeds specified strengths.
- › 2-color warning insulation.
- › Insulated to 1000V AC or 1500 DC.



Product #	Size (mm)	Long Arm Length (in)	Short Arm Length (in)	Weight (lbs)
FM-83.3AVSE	3	4-59/64	3-11/32	0.04
FM-83.4AVSE	4	4-59/64	3-11/32	0.07
FM-83.5AVSE	5	4-59/64	3-11/32	0.11
FM-83.6AVSE	6	4-59/64	3-11/32	0.15
FM-83.8AVSE	8	4-59/64	3-11/32	0.24
FM-83.10AVSE	10	4-59/64	3-11/32	0.33
FM-83.12AVSE	12	4-59/64	3-11/32	0.46

FACOM® INSULATED VSE MULTIGRIP PLIERS

- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-180.VSE	10	10-1/32	1-9/16	1-3/8	0.81

FACOM® INSULATED VSE HALF ROUND PLIERS

- › 2 Color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.
- › Integrated wire-cutter.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-185.20AVSE	7-7/8	8-9/32	2-23/32	1-3/8	0.53
FA-193.16AVSE	6-1/2	6-7/8	1-31/32	1-1/4	0.37

FACOM® INSULATED VSE COMBINATION PLIERS

- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.
- › Hardened throughout for overall strength.
- › Cutting edges locally heat-treated to exceed 60 HRC hardness.
- › Burnished nose.
- › Serrated Jaw.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-187.16AVSE	6-1/2	6-1/2	1-11/32	1-3/8	0.44
FA-187.18AVSE	7-1/4	7-3/32	1-3/8	1-3/8	0.54
FA-187.20AVSE	8	7-9/32	1-43/64	1-3/8	0.69

FACOM® INSULATED VSE FLAT NOSE PLIERS



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.
- › Serrated jaws for firm grip.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-188.16AVSE	6-1/2	6-11/16	1-31/32	1-15/32	0.37

FACOM® INSULATED VSE ROUND NOSE PLIERS



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Insulated to 1000V AC or 1500 DC.
- › Long nipe nose, serrated for shaping bends or terminals on all types of wire.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-189.17AVSE	6-1/2	6-7/8	1-25/32	1-5/16	0.36

FACOM® INSULATED VSE WIRE STRIPPER



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Strips any wire in all common electrical systems, up to 10 AWG.
- › Burnished nose.
- › Knob for presetting the cutting depth.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-194.17AVSE	6-1/2	6-7/8	7/8	5/16	0.45

FACOM® INSULATED VSE BENT NOSE PLIERS



- › 1000V insulated grips designed for electrical safety when working on or near live components.
- › Integral wire-cutter.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-195.20AVSE	7-7/8	7-15/32	2-17/32	1-1/4	0.43

FACOM® INSULATED VSE CABLE CUTTERS



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › High performance compact tool.
- › Forged safety stops.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-412.10AVSE	7-1/2	7-7/8	3-1/3	1-3/8	0.91
FA-412.14AVSE	9	9	1-3/16	1-3/8	1.12
FA-412.150AVSE	17-3/4	18-1/2	2-23/64	1-3/4	4.71

FACOM® INSULATED VSE RATCHETING CABLE CUTTERS



- › One-hand operation.
- › No cable core distortion.
- › Forged and hardened steel blade.
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.



Product #	Size (in)	Overall Length (in) (L)	Jaw Width (in) (B)	Weight (lbs)
FA-414.45AVSE	1-3/4	12	5-5/16	2.19
FA-414.52AVSE	2	13-3/16	5-1/2	2.26

FACOM® INSULATED VSE END CUTTER PLIERS



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Cutting edges heat-treated to exceed 60 HRc.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-190.16AVSE	6-1/2	6-11/16	1/4	1-3/8	0.56

FACOM® INSULATED VSE DIAGONAL PLIERS



- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Cutting edges heat-treated to exceed 60 HRc.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-192.14AVSE	5-3/4	6-3/32	5/8	1-3/16	0.48
FA-192.16AVSE	6-1/2	6-1/2	23/32	13/32	0.54
FA-192.18AVSE	7-1/4	7-9/32	25/32	7/16	0.60



FACOM® INSULATED VSE DIAGONAL CUTTERS



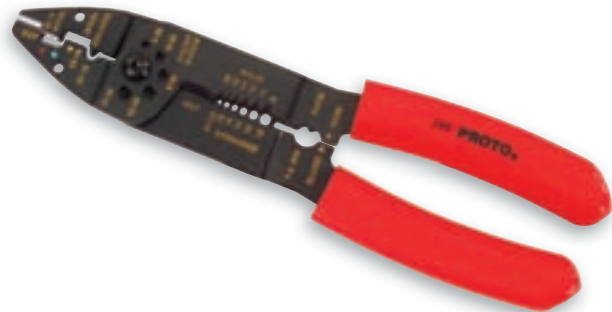
- › 2 color warning handle insulation - color changes from orange to yellow if insulation integrity compromised.
- › Inset joint.
- › Burnished nose.



Product #	Size (in)	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Weight (lbs)
FA-391.16AVSE	6-1/2	6-5/16	3/4	13/32	0.47

WIRE STRIPPER - CRIMPER

- › Strips 10-22 AWG (American Wire Gauge).
- › Box style crimp.
- › Crimps insulated and non-insulated terminals for 10-22 AWG.
- › Crimps non-insulated 7 mm and 8 mm auto ignition wire.
- › Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24.
- › Anvil type wire cutter for cutting copper wire.
- › Air-pocket cushion grips for comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J299	8-1/2	0.45



WIRE STRIPPER - CUTTER

- › Strips wire sizes 10, 12, 14, 16, 18, and 20 AWG (American Wire Gauge).
- › Wire cutter for copper wire.
- › Plier nose for pulling and looping wire.
- › Spring return and convenient handle lock.
- › Platisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J297	6-1/16	0.21



WIRE STRIPPER

- › Strips wire sizes 22, 24, 26, 28, and 30 AWG (American Wire Gauge).
- › Wire cutter.
- › Plier nose for pulling and looping wire.
- › Automatic spring return.
- › Platisol grips for added comfort.



Product #	Overall Length (in) (L)	Weight (lbs)
J296	6-1/16	0.21



CABLE CUTTER

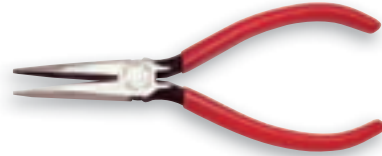
- › Cuts up to 3/0 fine stranded copper battery cable (not for use on steel cable).
- › Precision ground blades minimize deflection.
- › Positive fastener maintains pressure on matching cutting surfaces.
- › Plastisol grips for added comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J288	7-1/2	0.56



NEEDLE-NOSE PLIERS

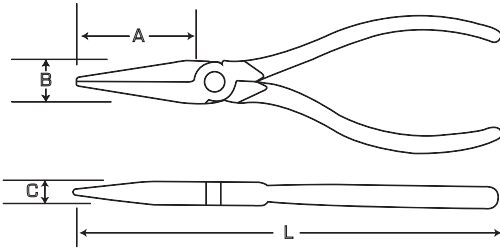
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282G	4-7/8	1-3/16	7/16	1/4	0.16
J229-03G	5-9/16	1-11/16	1/2	9/32	0.23
J220G	6-5/8	1-7/8	11/16	3/8	0.35



ASME B107.500



NEEDLE-NOSE PLIERS - COIL SPRING

- › Coil spring.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



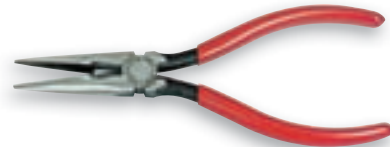
Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J282BSG	5	1-3/16	7/16	1/4	0.16



ASME B107.500

NEEDLE-NOSE PLIERS WITH CUTTER

- › Induction hardened cutting edges.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



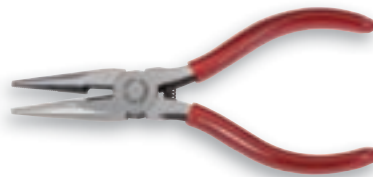
Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J226G	6-5/8	1-7/8	11/16	3/8	0.34



ASME B107.500

NEEDLE-NOSE PLIERS WITH CUTTER - COIL SPRING

- › Induction hardened cutting edges.
- › Diamond serrated jaws.
- › Coil spring.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J229-01G	5-9/16	1-11/16	1/2	9/32	0.23
J226-01G	7-1/2	2-5/8	3/4	3/8	0.40



ASME B107.500

NEEDLE-NOSE PLIERS - LONG REACH

- › Extra-long handle allows greater access to confined, restricted areas.
- › Improved fulcrum point provides more holding power at the tip with less gripping effort.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J240G	11-9/16	2-13/16	23/32	13/32	0.63



NEEDLE-NOSE PLIERS - LONG

- › Long handle for added leverage.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



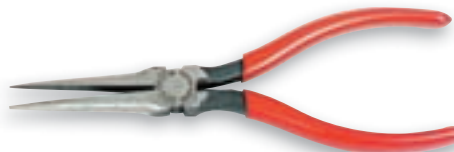
Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J228G	7-25/32	1-9/16	17/32	7/16	0.38



ASME B107.500

NEEDLE-NOSE PLIERS - LONG THIN

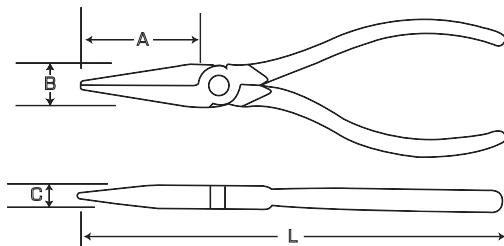
- › Very thin nose allows access into minimum clearance areas.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J222G	6-1/16	2-1/8	11/16	11/32	0.28



ASME B107.500



NEEDLE-NOSE PLIERS - LONG EXTRA THIN

- › Extra slim-nose pliers for light precision work.
- › Designed for gripping, looping, and twisting wire in confined areas.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2236	6-5/32	2-5/32	1/2	9/32	0.20

ASME B107.500

BENT NOSE NEEDLE-NOSE PLIERS

- › Nose bent to 78° angle to reach around obstructions.
- › Very thin nose allows access into minimum clearance areas.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.

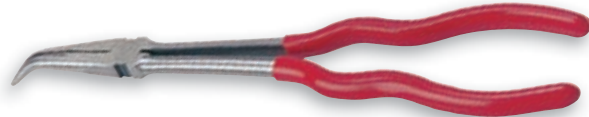


Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2256	6-5/16	1-5/8	3/4	3/8	0.42

ASME B107.500

BENT NOSE NEEDLE-NOSE PLIERS - LONG REACH

- › Extra-long handle allows greater access to confined, restricted areas.
- › Improved fulcrum point provides more holding power at the tip with less gripping effort.
- › Bent nose design to reach around obstructions.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2416	11-3/8	2-9/16	23/32	13/32	0.62

ASME B107.500

DUCKBILL PLIERS

- › Wide, flat nose for better grip than standard needle-nose pliers.
- › Diamond serrated jaws.
- › Long handle for added leverage.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2276	7-25/32	1-9/16	17/32	7/16	0.38

ASME B107.500

WIRE STRIPPERS - PLIERS

- › Strips 10-22 AWG (American Wire Gauge).
- › Crimps insulated and non-insulated terminals for 10-22 AWG wire.
- › Crimps non-insulated 7mm and 8mm auto ignition wire.
- › Cuts screw/bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32, 10-24 and copper wire.
- › Extended length curved cutter to handle heavier wire with less force.
- › Plier nose designed to grip, bend, and pull wire.
- › Plastisol grips for added comfort.

Product #	Overall Length (in) (L)	Weight (lbs)
J298	8-1/4	0.05



DIAGONAL CUTTING PLIERS

- › Induction hardened cutting edges.
- › Thin narrow jaws for access in tight areas.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285G	4-5/8	13/32	7/16	1/4	0.13
J204G	4-7/16	18/32	9/16	5/16	0.22
J205G	5-1/16	3/4	19/32	3/8	0.24
J206G	6-1/16	13/16	3/4	7/16	0.40
J207G	7-5/16	1	7/8	15/32	0.50



ASME B107.500

DIAGONAL CUTTING PLIERS - COIL SPRING

- › Coil springs.
- › Induction hardened cutting edges.
- › Thin narrow jaws for access in tight areas.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J285BSG	4-5/8	13/32	7/16	1/4	0.13
J204SG	4-7/16	18/32	9/16	5/16	0.22



ASME B107.500

DIAGONAL CUTTING PLIERS - ANGLED HEAD

- › Angled head for work in confined areas.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J210AHG	8-1/8	3/4	1-7/32	5/32	0.64



HEAVY-DUTY DIAGONAL CUTTING PLIERS

- › Induction hardened cutting edge.
- › Powerful leverage cuts heavy wire with ease.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J209G	7-5/16	2-5/32	7/8	1/2	0.58
J210G	8-1/2	3/4	1-7/32	15/32	0.64



ASME B107.500

DIAGONAL PLASTIC CUTTING PLIERS

- › Adjusting set screw allows fast, precise cutting and prevents cutting edges from damaging each other.
- › Coil spring for reduced hand fatigue.
- › Induction hardened cutting edges.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J212G	6-1/16	3/4	3/4	7/16	0.39
J213G	7-5/16	1	29/32	1/2	0.53



HIGH LEVERAGE DIAGONAL CUTTING PLIERS LONG REACH - ANGLED HEAD

- › Extra-long handle provides high leverage cutting capabilities with less user effort.
- › 30° angled head for hard-to-reach areas.
- › Wide handle contour for less fatigue.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J244G	11-1/8	1	63/64	1-5/32	0.94



DIAGONAL CUTTING PLIERS LONG REACH - GRIPPING TIP

- › Cutting and gripping capabilities in one tool.
- › Serrated gripping surface at tips.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2466	11-1/8	27/32	63/64	25/64	0.74



LINEMAN'S PLIERS

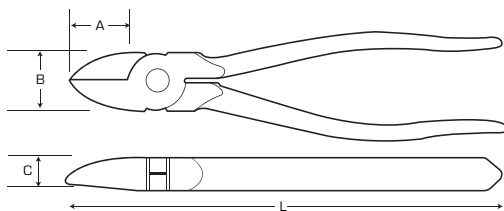
- › For utility linemen, wiring and electrical equipment installation, and maintenance.
- › Induction hardened cutting edges and diamond serrated jaws.
- › Built-in insulation crusher
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2686	8-5/8	1-1/2	1-3/16	5/8	0.98



ASME B107.500



LINEMAN'S PLIERS - NEW ENGLAND STYLE

- › Slim rounded nose for easy access in restricted spaces.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2666	6-3/16	1-3/32	29/32	1/2	0.50
J2676	7-1/4	1-9/32	1-1/8	1/2	0.67



ASME B107.500

LINEMAN'S PLIERS - HIGH LEVERAGE

- › Jaws have offset rivet for increased leverage.
- › Designed for cutting No. 8 and other large wires.
- › Diamond serrated jaws.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J2696	9-1/4	1-3/16	1-3/32	5/8	1.10



ASME B107.500

LINEMAN'S PLIERS - PIPE JAW

- › Serrated flat nose jaws with toothed pipe grip.
- › Plastisol grips for added comfort.



Product #	Overall Length (in) (L)	Jaw Length (in) (A)	Jaw Width (in) (B)	Jaw Thickness (in) (C)	Weight (lbs)
J268PJG	8-3/8	1-3/4	1-1/16	17/32	0.87



FACOM® VSE SERIES INSULATED KNIFE



- › For working on live components up to 1000V AC and 1500V DC.
- › Thick, angled blade with flat tip.
- › Cushion handle.
- › Blade sheath.
- › Effective blade length 2".



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-1820.AVSE	2-3/8	7-1/2	0.19

FACOM® VSE SERIES INSULATED HACKSAW



- › Two blade positions.
- › Butterfly tension nut.
- › Supplied with bi-metal blade.
- › 12" blade replacement.



Product #	Blade Length (in)	Overall Length (in)	Weight (lbs)
FT-602.AVSE	12	18-1/2	1.30

ELECTRICIAN'S KNIFE WITH STRIPPING BLADE

- › Spear blade.
- › Stripping blade.
- › Self-locking combination screwdriver, insulation cutter and wire scraper blade.



Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18535	3	3-3/4	7	0.32



ELECTRICIAN'S KNIFE

- › Spear blade.
- › Self-locking combination screwdriver, insulation cutter and wire scraper blade.

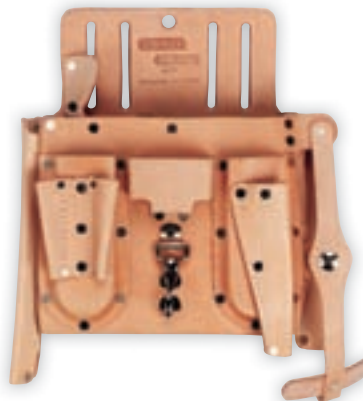


Product #	Blade Length (in)	Closed Position Length (in)	Open Position Length (in)	Weight (lbs)
J18500	3	3-3/4	7	0.24



14-POCKET LEATHER EXTRA CAPACITY ELECTRICIAN'S TOOL POUCH

- › 10" x 10"
- › 4 Large gusseted utility pockets and 2 preformed plier pockets.
- › 4 Screwdriver slots, 12" tape rule holder, secured T-type tape holder with swivel rivet.
- › 2-3/4" Belt slots.
- › Additional features: Sectioned pocket for torpedo level, multi-purpose tool snap, scratch awl pocket and pencil holders.
- › Heavy-duty, top grain leather.



Product #	Weight Lbs.
J95030	1.43

2-POCKET LEATHER CABLE SPLICER HOLDER

- › Heavy-duty top grain saddle leather.
- › 2 flared pockets for cable splicer, knife and scissors.
- › 2-1/2" belt slots.



Product #	Weight Lbs.
J95170	0.17

FACOM® SAFETY GLOVES

- › Silicon leather to help provide mechanical protection.
- › Worn over latex insulating gloves.



Product #	Size In.	Length In.	Weight Lbs.
FT-BC.109VSE	9	11-13/16	0.36
FT-BC.110VSE	10	12-19/32	0.43