

COMBINATION PLIERS

187 Combination pliers

▷ ISO 5746, DIN ISO 5746, NF E 73-103

- High-frequency hardened cutting edges for power and durability.
- Nose profile combines strength and manoeuvrability.
- 4 options:
 - CPE: Chrome finish, ergonomic grips, return spring (dimensions 16 - 18).
 - TE: Varnish finish, ergonomic grips, return spring (dimensions 16 - 18).
 - EG: Varnish finish, PVC grips (contoured).
 - VE: Varnish finish, return spring, 1000V insulated grips for electrical safety to EN 60900 and , for working on or near live components.



187.CPE



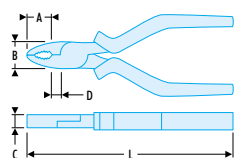
187.TE



187.EG



187.VE

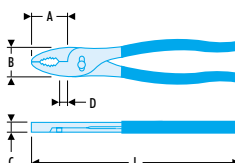


	Model	Ø max mm Fe 200 kg/mm ²	A mm	B mm	C mm	D mm	L mm	ΔΔ g
	187.16CPE	1,6	34	21	9,5	12	165	195
	187.18CPE	1,8	36	23	10,0	13	185	225
	187.20CPE	2,0	42	26	11,5	15	205	300
	187.16TE	1,6	34	21	9,5	12	165	195
	187.18TE	1,8	36	23	10,0	13	185	225
	187.20TE	2,0	42	26	11,5	15	205	300
	187.16EG	1,6	34	23	10,5	12	165	205
	187.18EG	1,8	38	25	12,0	13	180	265
	187.20EG	2,0	42	27	13,0	15	205	335
	187.16VE	1,6	34	21	9,5	12	165	205
	187.18VE	1,8	36	23	10,0	13	185	235

186 "Motorists" pliers

▷ ISO 9343, DIN ISO 9343, NF ISO 9343

- 2-position adjustable slip-joint.
- Slim nose for accessibility.
- Chrome finish, red PVC grips.



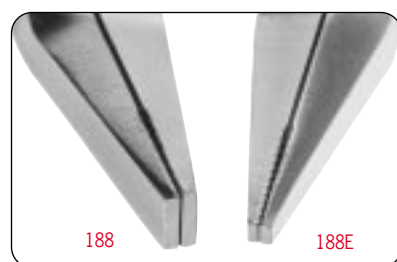
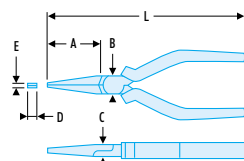
	A mm	B mm	C mm	D mm	L mm	ΔΔ g
186.7CPG	31	29	9,0	6,5	170	180
186.8CPG	35	31	10,5	7,5	205	260
186.10CPG	45	37	11,5	8,5	250	380

FLAT-NOSE PLIERS

188 Flat-nose pliers

- Serrated jaws for firm grip.
- Snipe-nose version (E) for confined spaces.
- 4 options:
 - CPE: Chrome finish, ergonomic grips, return spring.
 - TE: Varnish finish, ergonomic grips, return spring.
 - EG: Varnish finish, PVC grips.
 - VE: Varnish finish, return spring, 1000V insulated grips for electrical safety to EN 60900 and , for working on or near live components.

	Model	A mm	B mm	C mm	D mm	E mm	L mm	ΔΔ g
	188.16CPE	46	18,0	9,0	6,5	4,0	168	140
	188E.16CPE	46	18,0	9,0	3,5	2,5	168	130
	188.20CPE	75	18,0	9,0	6,5	4,0	200	200
	188.16TE	46	18,0	9,0	6,5	4,0	168	140
	188E.16TE	46	18,0	9,0	3,5	2,5	168	130
	188.20TE	75	18,0	9,0	6,5	4,0	200	200
	188.16EG	50	17,0	9,0	7,5	4,5	165	135
	188.20EG	70	19,5	10,5	7,5	4,5	200	190
	188.16VE	46	18,0	9,0	6,5	4,0	168	145
	188E.16VE	46	18,0	9,0	3,5	2,5	168	145
	188.20VE	75	18,0	9,0	6,5	4,0	200	205



188.CPE



188.TE



188.EG



188.VE

401-421 Flat-nose pliers

- ISO 9655, DIN ISO 9655, NF ISO 9655
- Smooth jaws with contoured inside edges to protect components.
- Matt burnished finish, red grips.

	A mm	B mm	C mm	D mm	E mm	L mm	ΔΔ g
401	48	14	8	1	5	160	80
421	33	11	7	1	5	130	70

