

# 77 Electronics Diagonal Cutters ESD



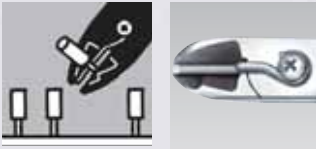
DIN ISO 9654



77 02 115 ESD  
round head, with small bevel



77 12 115 ESD  
round head, with bevel and lead catcher - no uncontrolled loss of cut wire ends



77 12 115



77 22 115 ESD  
round head, without bevel



77 32 115 ESD  
pointed head, with small bevel



77 42 115 ESD  
pointed head, without bevel

- ▶ precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
- ▶ electrically discharging version - dissipative
- ▶ precision box joint
- ▶ low-friction double spring for gentle and even opening
- ▶ the mirror polish together with a fine film of oil offer the best possible rust protection - no circuit faults caused by peeling chrome from plated tools
- ▶ cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- ▶ with two-colour dual component handles, black/grey
- ▶ special tool steel, oil-hardened and tempered

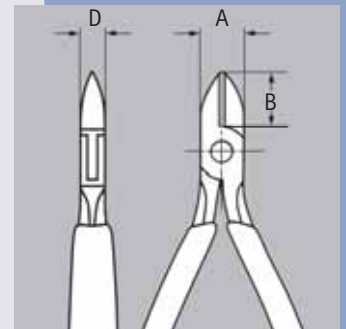
Models 77 22 115 ESD,  
77 42 115 ESD and  
77 52 115 ESD:

- ▶ cutting edges hardness approx. 57 HRC



When using pliers on components endangered by electrostatic discharge (ESDS - electro static discharge sensitive devices) relevant regulations and standards (e. g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472) require a controlled discharge of electric energy through the handles of such pliers.

The KNIPEX Electronics Pliers in ESD version discharge the electrostatic energy correspondingly slowly and under control to protect endangered components.



77 52 115 ESD  
pointed, flat head, with small bevel



77 72 115 ESD  
pointed mini-head, with small bevel

Article-No.	EAN-Code	Style	Head	Handles	Dimensions			Cutting capacities			Wt. g
					B	A	D	Ø mm	Ø mm	Ø mm	
77 02 115 ESD	025092	0	mirror	with two-colour	14.0	11.0	7.5	0.3-1.6	1.2	0.5	80
77 12 115 ESD	025108	1	polished	dual component handles	14.0	11.0	7.5	0.3-1.6	1.2	0.5	75
77 22 115 ESD	025115	2			14.0	11.0	7.5	0.3-1.3	1.0	-	85
77 32 115 ESD	025122	3			14.0	11.0	7.5	0.3-1.3	1.2	0.5	80
77 42 115 ESD	031901	4			14.0	11.0	7.5	0.3-1.3	1.0	-	85
77 52 115 ESD	025139	5			14.0	11.5	7.5	0.3-1.0	0.8	0.5	80
77 72 115 ESD	024330	7			10.5	9.5	6.5	0.3-0.8	-	-	70

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