

## Tip cutter, 45° angled head



Flush

**2482E** Tip cutter, 45° angled head, flush cut  
Medium size. Ideal for cutting DIL components etc. on PCBs.  
Usable at both 90° and 180° angles.

Dimensions in mm					Cutting capacity in mm	
L	A	B	C	D	CU	
135	6,2	11	6	26,2	max. 1,0	

Flush



**2475E** Tip cutter, 45° angled head, flush cut  
Tip cutter, narrow. For fine cutting work on hybrid circuits of miniature components.  
For working in confined spaces which are not easily accessible.

Dimensions in mm					Cutting capacity in mm	
L	A	B	C	D	CU	
135	4	11	6	22,4	max. 0,6	

## Side cutter, tapered head

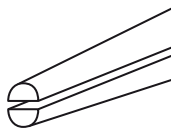


Flush

**2476TX1** Side cutter, tapered head, tungsten hard metal cutting edges, flush cut  
Narrow head for perfect work in confined spaces. High precision side cutter ideal for stainless wires, catheters, coils, etc. Suitable for medical applications.

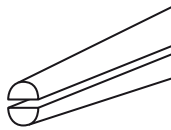
Dimensions in mm					Cutting capacity in mm	
L	A	B	C	D	piano wire	
130	11	11	6	18,5	< 0,3	

## Pliers



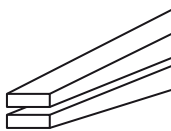
**2411P** Needle nose pliers with very precise, finely rounded jaws.

Dimensions in mm						
L	A	B	C	D	E	G
146	33,5	11	6	40,5	1	1,2



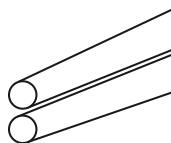
**2411PD** Needle nose pliers, same as 2411P but inside serrated for secure grip.

Dimensions in mm						
L	A	B	C	D	E	G
146	33,5	11	6	40,5	1	1,2



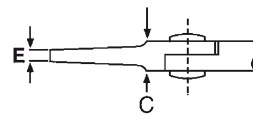
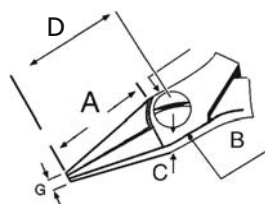
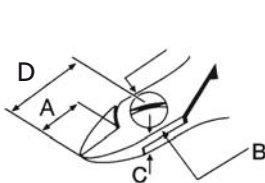
**2442P** Flat nose pliers with precise smooth jaws.  
Precision machined edges for gripping flat workpieces.

Dimensions in mm						
L	A	B	C	D	E	G
146	33,5	11	6	40,5	3,4	1,2



**2443P** Round long nose pliers with very precise, smooth jaws for bending wires.

Dimensions in mm					
L	A	B	C	D	E
146	33,5	11	6	40,5	Ø 0,8



L = total length of blade / pliers  
A = jaw length  
B = head width  
C = head thickness  
D = head length  
E = nose width  
G = total height of both noses