

Carbon steel pliers specially made for cutting hairsprings.  
Plain and impeccable cutting.



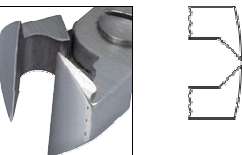
MSA	No.	Length	Kg
11.705	17	125 mm	0.076

Carbon steel pliers for cutting hairsprings. Inclined head, anti-skid handles with 2 return springs.  
Screw lap joint construction.



MSA	No.	Length	Kg
11.706	20	110 mm	0.081

Carbon steel pliers for cutting hairsprings. Straight and pointed head at both ends, anti-skid handles with 2 return springs.  
Screw lap joint construction.



BAHCO® and KNIPEX® cutting pliers.



MSA	Cutting	Cutting capacity	Kg
11.228	Bevelled	Ø 1.80 mm : piano-wire Ø 5.00 mm : copper wire	0.134

Steel side cutting BAHCO® precision pliers, with large anti-skid handles and 1 return spring.  
Lap joint construction.  
Total length 155 mm.



MSA	Cutting	Cutting capacity	Kg
11.229	Bevelled	Ø 1.50 mm : piano-wire Ø 4.00 mm : copper wire	0.134

Heavy duty KNIPEX® end cutter with strong torque. Tempered and polished head and PVC protected handles.  
Lap joint construction.  
Total length 140 mm.

## Ring cutters.

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QUALITY

MSA	Length	Kg
11.230	160 mm	0.107

Large ring cutting pliers with chromed grooved handle.  
Delivered with 1 mounted thin teeth steel circular saw.

## Spare part :

MSA	Item	Kg
11.230-A	Circular saw, Ø 21 mm	0.002

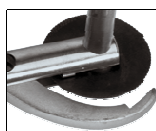
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QUALITY

MSA	Length	Kg
11.198	178 mm	0.145

Steel ring cutter with PVC protected handles.  
Delivered with 1 mounted thin teeth hardened steel circular saw and 1 key for saw change.

## Spare part :

MSA	Item	Kg
11.198-A	Circular saw, Ø 30 mm	0.005



MSA	Length	Kg
11.226	120 mm	0.095

Ring cutter with knurled steel handle.  
Delivered with 1 mounted thin teeth hardened steel circular saw and 1 key for saw change.

## Spare part :

MSA	Item	Kg
11.226-A	Circular saw, Ø 20 mm	0.001



## Revolving pliers for leather holing.



MSA	Length	Kg
11.300	200 mm	0.280

Revolving pliers for leather holing with 6 punchers.  
Holing Ø : 2.0 - 2.5 - 3.0 - 3.5 - 4.0 - 4.5 mm.