


## High Leverage Combination Pliers CombiMax

- | American pattern
- | For holding, gripping, bending and cutting work
- | For cutting hard and soft wires
- | Cutting edges inductively hardened
- | With Nail- & wire holder
- | Gripping zones for flat and round materials
- | Asymmetric inside jaws for better grip on the workpiece
- | Integrated ring spanner
- | Power transmission with optimum leverage for easy and effortless work
- | Handles with ergonomically shaped SoftGripp multi-component sleeves
- | SoftGripp handles with SystemSocket for holding optionally available accessories, e.g. the easily attached SystemClip for fall protection
- | Made of tool steel, forged, oil-hardened

SKU: 109-69-180

### Related Products

 <p>Art-Nr.: 819-1 System Clip with Lanyard</p>	 <p>Art-Nr.: 819-2 System Clip with Opening Spring, Size 1+2</p>	 <p>Art-Nr.: 819-3 System Clip with Opening Spring, Size 3+4</p>
 <p>Art-Nr.: 819-4 E-Detector</p>	 <p>Art-Nr.: 820-12 Tool Tethering System</p>	

## Safety Notes



Use tools for indicated purposes only.  
Before using the cutting tools please wear body protection such as safety mask, safety glasses and hand protection.  
Beware of wire ends flying off!

## General Information

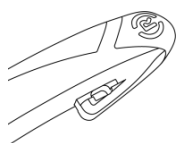
### Finish 69

Our pliers, cutters & wrenches with the attractive titanium finish are supplied with our new SoftGripp 3K sleeves. The triple zone sleeves provide a firm grip which is pleasant to the touch, thanks to ergonomically designed handles. The pliers, cutters & wrenches themselves are drop-forged tool steel, special tool steel or chrome vanadium steel and are oil hardened. The cutting edges of all these cutting tools are induction-hardened to ensure they are able to cope with the needs of professionals in industry and the trades.



### Keeping a grip on the matter in hand





Assembly jobs in high places offer not only excellent views but also serious challenges. Here, where freedom of movement is restricted, every move the worker makes must make sense and the safety of the workers, machines and tools must have priority. NWS industrial tools enable workers to keep a grip on things. Their ergonomic design reduces work effort, when working overhead, for example. With the tools secured with the SystemClip, they are guaranteed not to fall if dropped, which makes work safer and easier.



### SoftGripp with SystemSocket













When we developed our handle sleeves, the focus was on functionality, safety and environmental compatibility. The SoftGripp sleeves provide firm but comfortable grip as you work thanks to the triple-component texture. The tailored shape of the handles and the combination of different, environmentally compatible materials makes the tool rest more snugly in the hand. The ergonomically designed SoftGripp, with its multi-zone blend of handle textures, coupled with the optional spring-loaded opening mechanism, ensure strain-free working. To ensure maximum safety, the tools feature an optimised shape to prevent hands slipping off the tool and the SystemClip, which secures the tools when working on a roof, scaffolding or construction site. The SystemClip, which is easily attached on the SystemSocket, creates a quick, secure connection between the tool and the strap and features an integrated pocket for storing the opener spring.

### Downloads

	109-69-180.jpg		detail_109-69-180_1501122249.jpg		detail_SystemSocket 49_69.jpg
	detail_819-1_1307121734.jpg				

### Technical Data

109-69-180		
↔	Length - mm	180
↔	Length - in	7
☐	Jaw shape	☐

	Cutting edge shape	
	Soft wire (220 N/mm <sup>2</sup> ) copper, aluminium, plastic - cutting capacity - Ø mm	5,2
	Medium hard wire (750 N / mm <sup>2</sup> ) nail, wire nail - cutting capacity - Ø mm	3,4
	Hard wire (1800 N / mm <sup>2</sup> ) wire rope fiber, steel rope - cutting capacity - Ø mm	2,2
	Cable - Al + Cu multi-wired conductor single and stranded conductor - cutting capacity - Ø mm	12
	Wrench size - mm	18
	DIN standards - National, European and worldwide	DIN ISO 5746
	Cutting edge hardness - HRC	57 - 59
	Weight - g	250
	Packing unit	6
	Barcode	40 03758 10997 7