

## silent CUT

- ✓ Quality Plasma
- ✓ Fast Plasma
- AND NOW
- ✓ Silent Plasma

### FACTS

#### Application

**Thickness:** 0.135 - 1 1/4 inch

**Material:** Mild steel

**Cutting current:** 60 - max. 170 A

**Units:** Smart Focus series  
HiFocus neo series  
Q-Series

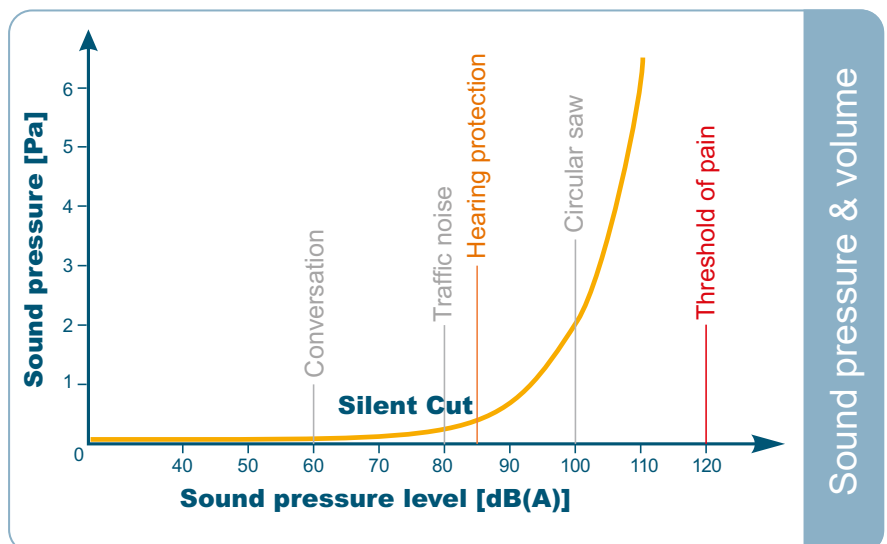


The reduction of the sound level by 10 decibels is already perceived by human hearing as a halving of the loudness.

## Keep Calm & Cut Silently

### Lower noise exposure during plasma cutting

Due to the high energy density and flow velocity of the plasma arc, higher sound levels occur during high-quality plasma cutting – depending on the cutting task more than 100 dB(A). Thanks to intensive development work, it has been possible to reduce the overall sound pressure level with Silent Cut by up to 15 dB(A). This ensures a better working environment and makes an important contribution to safety at work.



The sound volume (loudness) is determined by the sound pressure and expressed as sound pressure level in dB. The industrial noise is expressed in terms of decibel (A) or short dB(A).

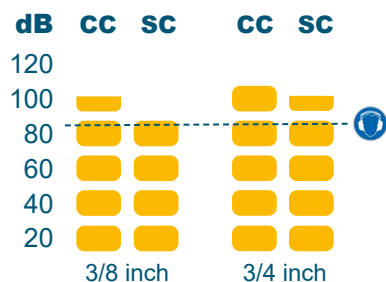


More information

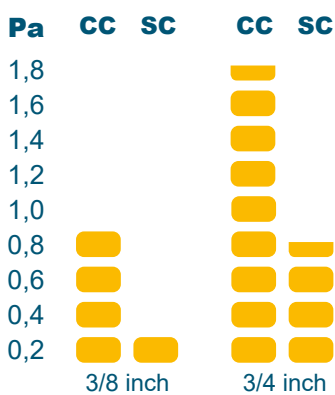
# OVERVIEW

## PLASMA CUTTING TECHNOLOGY

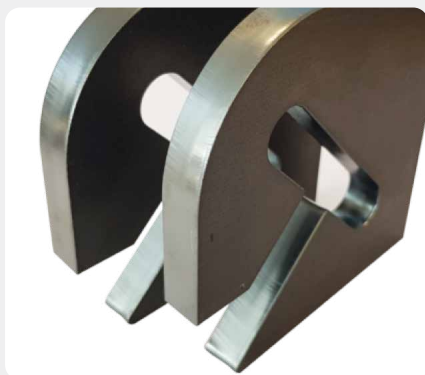
Comparison:  
Contour Cut & Silent Cut



Sound pressure level



Sound pressure



With Silent Cut you cut mild steel with similar quality as with Contour Cut.

### Mild steel cutting with reduced sound pressure level

With the new cutting technology Silent Cut, Kjellberg offers a solution for the reduction of noise exposure during plasma cutting with the power sources of the Smart Focus, HiFocus neo and Q-Series. When cutting mild steels with a thickness between 0.135 and 1 1/4 inch in the current range from 60 to maximum 170 A, the sound pressure level is reduced by up to 15 dB(A). Silent Cut thus makes an important contribution to health and safety at work.

As a further development of the Contour Cut technology, the user cuts holes, webs and contours in a similar quality thanks to new wear parts and cutting data, thereby benefiting from the clearly reduced sound pressure level. The technology is also applicable for existing Smart Focus, HiFocus neo and Q units thanks to the simple exchange of wear parts and the use of the Silent Cut cutting database.

### New consumable combination



Silent Cut is available for Smart Focus, HiFocus neo and Q-Series: Simply change the nozzles, set the cutting parameter from the cutting database and start cutting. The new nozzles are marked with "S" and a green O ring.

**kjellbergcutting.com**

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