



## Using the SD demining brush

The SD demining brush is designed to resist the forces associated with the detonation of an anti-personnel blast mine. Bristle colours vary, but one end is stiff broom bristles, the other soft hand-brush bristles.



SD Part no.: SKU3018

Both sets of bristles are stiffer than the paintbrush conventionally used in demining.

The length of the tool (nominally 40 cm between the brush heads) is designed to keep the hand safe and also to make it easiest to use at a low angle to the ground.

Tests have shown that the stainless steel tube used for the handle does not fragment in a blast. This does not mean that the tool will not be damaged in a blast. It is intended to bend but not to break. The bristles are burned away as shown alongside.



The brush should be held lightly in one hand and used to brush away soil that has stuck to a device being exposed. The deminer can choose where to hold the brush to maintain complete control. Obviously, the further away from the device the better, but it is important that the deminer maintains complete control.

The picture alongside shows a deminer delicately brushing earth from a mine in South America. The stiffer bristle end was used first, then the softer bristle end.



### **CAUTION!**

Do not hold the brush close to the bristles. Try to keep your hand as far from any detonation as possible.

*SD blast-resistant hand-tools for Humanitarian Demining are made using design rules developed during research funded by US Army CECOM NVESD by Andy Smith. See the design rules at <http://www.nolandmines.com/hand-tooldesigncriteria.htm>*

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