

STELLITE™ Trapezoidal- / Rod- / Round- and wire stellite

The service life of a wood band saw steel blade can be considerably improved by covering the tooth tips with wear-resistant alloys, such as stellite. This is particularly true for hardwood, but in recent years it has also proved successful for machining softwood such as fir and spruce. Stellite-covered tooth tips achieve better surface qualities and much longer durability. The subsequent careful sanding work on wet sanding machines with the appropriate sanding discs is of particular importance. To make full use of all the advantages of stellite facing, the steel material for the band saw must be of the highest quality; only then can a longer uninterrupted sawing process be achieved.

Stellite is an alloy that mainly contains cobalt. According to the composition of this alloy, there are a number of different degrees of hardness with different mechanical properties.

Although Stellite has a lower hardness than carbide (67 - 82 HRC), Stellite grade No. 12 is extremely wear-resistant, yet not too brittle and can be ground without problems. In some cases, Stellite grade No. 1 is used, a very hard alloy, mainly for sawing wood with large amounts of gravel, which is found in some exotic wood species of Africa and Southeast Asia.



STELLITE™



Stelliting with resistance welding process



Stelliting with plasma welding process

Trapezoidal stellite for ISELI machines

4.STE05.1109	Stellite T 12 - 2.5 mm
4.STE05.1101	Stellite T 12 - 3.0 mm
4.STE05.1102	Stellite T 12 - 3.5 mm
4.STE05.1103	Stellite T 12 - 4.0 mm
4.STE05.1104	Stellite T 12 - 4.5 mm
4.STE05.1105	Stellite T 12 - 5.0 mm
4.STE05.1106	Stellite T 12 - 5.5 mm
4.STE05.1107	Stellite T 12 - 6.0 mm

Round Stellite redensified

4.STE05.1001	Round Ø 5.0 mm, redensified
4.STE05.1002	Round Ø 4.0 mm, redensified
4.STE05.1003	Round Ø 6.4 mm, redensified
4.STE05.1005	Round Ø 3.2 mm, redensified

Rod Stellite for ISELI BNA / Vollmer GPA

ROD STELLITE FOR ISELI BNA / VOLLMER GPA

4.STE05.1010	Rod 2.4 x 2'000 mm
4.STE05.1011	Rod 3.2 x 2'000 mm
4.STE05.1012	Rod 4.0 x 2'000 mm
4.STE05.1013	Rod 3.2 x 4'000 mm

Wire Stellite for ISELI BNA / Vollmer GPA

4.STE05.1009	Wire 1T // Coil Ø1.6 mm
4.STE05.1008	Wire 12PM // Coil Ø1.6 mm
4.STE05.1007	Wire 12PM // Coil Ø2.0 mm