



CIRCULAR SAW BLADES OF BIG DIAMETER



Last December Starcut arrived to 2200 mm of height! The occasion has been the necessary maintenance of a 2200 mm diameter tct circular saw blade coming from a big plant for the first working of the wood.

Tungsten carbide tipped circular saw blades of big diameter (up to 2000 mm) are special tools that Starcut can supply not only for wood cutting, but also for aluminium and metal cutting.

The realization of these special tools follows a meticulous planning in considering all the different parameters required to cut every kind of material, such as steels quality and different geometries of the teeth.

This attitude has permitted Starcut to rich a considerable know-how in this field and become a reference point for several manufacturers.

Thanks to technical advices, aimed to optimize machine and tool interaction, also during planning stage, high-yields have been achieved on various plants.

Aluminium

ALL SAW BLADES FOR ALUMINIUM CUTTING ARE NOISELESS

More and more technological state-of-the-art of sawing machines and integrated working centres needs noiseless and high-performance carbide tipped circular saw blades in order to warranty the best precision and finish of aluminium cut.

Such a process requires these features, primarily working very thin sections or painted and special coated profiles.

In the light of these considerations Starcut has introduced, for the whole range of circular saw blades for aluminium cutting, a special noiseless device able, in addition to decrease noisiness, to improve the tool performance during high speed cutting.

Moreover the soundproofing material included into the noiseless slots still futher reduces vibrations of body lending the right relation between hardness and elasticity of tool.



STEAMED COATING ON SAW BLADES FOR WOOD CUTTING

Wood



On tools up to 500 mm diameter suitable for sawmill, like saw blades with scrapers for multi-blade machines, milling cutters and rip saw blades with few edges, Starcut has adoped a special steamed coat to increase their resistance and performance.

This coating, which give tool a characteristic black color, is applied by a steaming process consisting in deposition of metal parts vapor-plated on the steel body blade.

The purpose is to fill natural roughnesses of the steel surface in order to decrease in a considerable way the attachment of resin and wood scraps on the body blade and consequently to decrease the cutting effort of the tool.

Utilized as an effective alternative at teflon-coating, steamed coat is better on tools subjected to considerable heat efforts during the wood cutting process.

Thanks to its intrinsic resistance at high temperatures, the steamed coating doesn't deteriorate and keep the life-time efficiency of the tool.

Plastic

SPECIAL SHARPENING FOR PLASTIC MATERIALS CUTTING

One of the main problems frequently found in cutting plastic materials using tungsten carbide tipped circular saw blades is the difficulty to obtain optimal cutting cleaning.

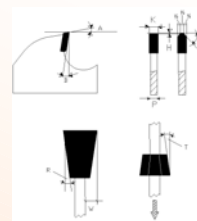
Both classic trapezoidal and alternate teeth sharpening can't avoid chipping and slobbering of the cutting surface, even if using saw blades with an high number of teeth.

To obviate at this disadvantage, Starcut has planned a new type of sharpening which, thanks to an innovative geometry of the tooth, can improve and optimize cutting finish of tubes and other plastic and pvc elements, even on very thin profiles.

This new type of sharpening allows to obtain clean cutting surfaces using circular saw blades without a very high number of edges.

Keeping then the same geometrical parameters during the resharpening process, the circular saw blade can be used again maintaining all its performances.

Thanks to this special sharpening Starcut is able to obtain circular saw blades for plastic materials with a very high cutting efficiency, decreasing at the same time purchase and maintenance cost of the tools.



TCT CIRCULAR SAW BLADES MAINTENANCE SERVICE



It is known that tungsten carbide tipped circular saw blades are subject to a continuous edges rounding off during cutting process.

This matter involves in a worsening of the cut finishing and increases the power consumption of the plant.

Fortunately tools can be resharpened several times, even if this working couldn't solve all the problems of tools restoring.

One of the most insidious factors, which reduces the performances of resharpened circular saw blades, is not to check and restore the body steel planarity.

This working is required to eliminate possible permanent deformations of body blade generated in consequence of shocks and heat peaks during cutting process.

To obviate at this problem Starcut, in addition to a complete repairing and resharpening service, executes, during every maintenance, a completely check of any tool construction parameters (for example tensioning and balancing), in order to keep always high-yields and to guarantee a very good cutting precision.

Moreover in case of an excessive wearing of carbide tips or many chipped and broken parts of them, Starcut can provide for a complete reconstruction, restoring the tool optimal conditions in efficiency and cutting precision.

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