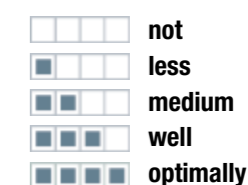


TIGRALLOY - APPLICATION RECOMMENDATIONS OF THE TIGRALLOY GRADES

TIGRA Grade	Properties					Product groups				Recommendations (see charts below)							Annotation	
	Hardness	Toughness	Bending strength	Brazing + welding	Grindability	Blanks	Saw tips	Carbide for brazed cutters	Rods for solid carbide	Plastics	HDF	MDF	Chipboard	Hardwood	Softwood	Saw mills		Recycling
TL48 TIGRALLOY	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■		■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	tips for band saws and circular sawblades in saw mills, recycling
TL60 TIGRALLOY	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■		■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	planing, edging and profiling of several kinds of hard- and softwood. Very high surface quality and amazing lifetimes



TL48 (hardness 48 HRC) - for circular saw blades and band saws

Especially as saw tips for processing green lumber. Here, the high toughness is used to make TL48 the ideal cutting material for circular, band- and gangsaws for the saw mill industry. Available in shapes of triangles, rectangles and typical saw tip shapes.

■ ■ ■ ■ recommended:

nearly all kinds of raw woods
frozen wood
recycling of wood with impurities (e.g. pellets)

■ ■ ■ ■ not recommended:

Board materials
Glued-up wood
Extremely abrasive woods

TL60 (hardness 60 HRC) - for indexable inserts, blanks for profiling, planer knives and STBs for brazed tools

Perfect surface qualities and excellent lifetime in the described types of wood (without gluelines). In addition, weight of the blades is reduced by around 40%.

■ ■ ■ ■ recommended:

Abachi	Hemlock	Parana pine
Afromosia	Incense cedar	Pear
Afzelia (min. 12% humidity)	Larch	Pine
Alder	Limba	Plane
Ash	Mahogany (American red)	Poplar
Avodiré	Makoré	Ramin
Beech (min. 12% humidity)	Maple (European)	Redwood
Birch (European)	Mengkulang	Sapele
Cedar (Western Red)	Meranti	Sipo
Cedar	Oak (American Red)	Sugar pine
Cherry	Oak (European)	Tasmanian Oak
Chestnut (cultivated)	Oak (Japanese)	Tola branca
Elm	Okan	Walnut
Fir	Okoumé	Willow
Framiré	Oregon pine	

■ ■ ■ ■ not recommended:

Afzelia (dry)	Lignum vitae	Panga Panga
Azobé	Maple (American)	Purpleheart
Balau	Merbau	Red kabbes
Beech (dry)	Movingui	Rosewood (Rio)
Boxwood	Mukulungu	Saligna gum
Bubinga	Muninga	Tali
Hickory	Oak (American white)	Teak
Hornbeam	Ogea	Wengé
Keruung	Padouk	