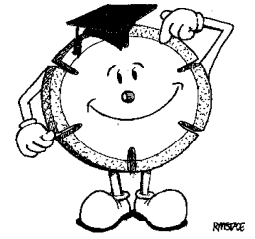


# HYPER BLADES



## DESIGN PHILOSOPHY

Decades of diamond saw blade use, by millions of users all over the world, has confirmed one vital fact. "There is no such thing as a really efficient general purpose blade for all materials, all machines, and all conditions"

Often requested, this elusive tool remains as rare as ever. Instead, diamond saw blade design engineers have discovered different ways of yielding maximum cutting rates and tool life, from custom developed blades for various operations. Machine horsepower and type, material composition, budget, speed of cut preferences, and many other factors are taken into account when configuring blades.

The amazing central component is man made diamond. Synthesised in modern factories, using secret production facilities, diamond is grown into crystals which can be consistent in shape, toughness and processing damage resistance. Each tooth a marvel of hardness, in it's own right capable of cleaving the hardest concrete or stone.

Using these tiny power houses, High Performance Diamond Technology designs reflect decades of experience in New Zealand.

We aim to lower your costs through shared experience and teamwork.

Work with us.

**Diamond Blademan**  
**High Performance Diamond Technology Ltd**  
**PO Box 31428 Milford Auckland**  
**2/1 Byron Avenue, Takapuna, North Shore**  
**Tel 4867080 Fax 4867081**



## PAVING REPAIRS & GENERAL WORK

The dilemma of blade choice for repair patches, potholes, and short lengths of asphalt and concrete, for relatively inexperienced operators, has been laid to rest.

The very real possibility of a write off, and vastly differing road conditions, required a fresh approach to the subject. Studies had shown that having various blades for various materials is somewhat impractical for many roading repair gangs, and a more "flexible" blade approach preferred. What then could be the answer?

Engineers reasoned that the greater productivity of diamond blades, and the "lower cost per metre cut" potential, could only be realised if the initial blade cost could be kept low, but, at the same time allow a very tough design to be evolved.

"Pitbull" (SLPGPDC14) and it's close cousins are the result of much testing out on the highway. A flexible cutter for use on high speed cut off saws, permits a wide range of materials to be cut, without serious compromise to the life, or cutting rate of the blade. The need for coolant water, which can be a costly exercise to arrange, has been totally removed, although it's use results in even longer life.

Consideration of this blade specification will be made easier if tool write off is more frequent than desired, more than one specification of blade is being used, and high speed saws are in regular use for the rapid repairing of roads, pavements, and highways.

The extremely tough design, made possible by high temperature laser welding, increases operator and bystander safety by a considerable margin. This is an essential requirement under the strict Safety and Health laws which require operators to consider the safety of others within proximity of the cutting operation. Clearly a tough blade is less likely to fly apart under duress creating a safer environment for all.

"Pitbull" is available in 350mm diameter and 300mm diameter in three versions: asphalt, general purpose, cured concrete. All are laser welded for safety.