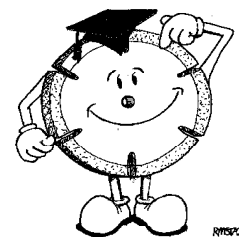


# HYPER BLADES



## 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.



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## WHITE WITCH - EA350SG CONCRETE PRODUCTS, BLOCK

Smaller concrete block or cobblestone jobs really only require an entry level priced low noise diamond blade to get the job done efficiently. This is particularly so if the saw is hired and other jobs are unlikely in the near future.

"White Witch" blades are constructed from first class materials using high tech manufacturing facilities and field proven effective for concrete block and other abrasive concrete products. Diamonds are aggressive and the blade is designed to resist damage from heat.

From a safety stand point it is important to know that this blade is constructed under ISO 9001 conditions. All important under New Zealand's tough health and safety laws. Lowered noise levels have been built in to provide a healthier environment for operators, co-workers, and the general public.

Decibel ratings of over 100 decibels have necessitated the need for hearing protective ear muffs.(see table) Even the public has been better protected now that blade decibel levels have been massively reduced to around 95 decibels from 100 to 110 decibels. The need for operator grade five hearing protectors could be reduced to a lower grade. Bystanders will not be assailed by damaging sound levels, and the general public in the vicinity will be less aggravated.

The "White Witch" family of blades is available in many different diameters and bore sizes for virtually every grinder & saw on the New Zealand market.

Cutting with this specification will allow a low entry price without sacrificing safe practices, and can be purchased with confidence.

| Noise Exposure Level (dBA) for an 8-hour day | Protection Needed                      |
|----------------------------------------------|----------------------------------------|
| Over 115                                     | Seek expert advice                     |
| 110-115                                      | Grade 5 Ear muffs                      |
| 104-109                                      | Grade 4 Ear muffs                      |
| 98-103                                       | Grade 3 Ear muffs                      |
| 92-97                                        | Grade 2 Ear muffs or earplugs          |
| 86-91                                        | Grade 1 Ear muffs or earplugs          |
| 85 and below                                 | No protection needed for an 8-hour day |