

## **Hole Dozer Holesaw - 105 mm - 1 pc |** **HOLE DOZER™ bi-metal holesaws**



- Cutting edge technology for maximum productivity.
- Tooth design - A variable 4-6 teeth per inch tooth design with a positive 10° tooth angle provides the following benefits:
  - Faster and more aggressive cut.
  - Improved heat dispersion during cutting ensures that the teeth stay sharper for longer.
  - Deeper curved gullets provide more efficient chip clearance preventing clogging and heat build up.
  - Special shaped tooth angle has less tendency to snag on thinner materials.
  - Teeth are alternate/side set to minimise binding and friction.
  - Requires less feed pressure - This is achieved by the combination of aggressive tooth geometry and good chip clearance resulting in the requirement of less force during drilling.
- Tooth material - Type Matrix II premium high speed steel is used for the toothed area of the holesaw. Matrix II steel contains 8% cobalt allowing the teeth to retain the original tooth hardness even at high working temperatures when used in metal cutting applications.
  - Bi-Metal construction - High speed steel teeth are laser welded onto a high alloy steel body. The teeth are then vacuum hardened to 65 HRC at a temperature of 600°C to give maximum durability and life time.
  - Due to the high wear resistance of the Matrix II material, these holesaws are ideal for cutting difficult and hard materials such as stainless steel and acid resistant steels as well as softer materials like wood.
- Holesaw body - 1.27 mm thick steel holesaw body is rigid to retain its shape but also has built in elasticity.
  - Effective sawing depth is 41 mm.
- Back plate design - The back plates are constructed with thick steel thus the holes will not enlarge over time.
  - Thick backs add strength and rigidity minimising vibrations.
  - 4 drive pin holes for easier arbor location.
  - Perfectly manufactured round back plate, especially important for the larger diameter holesaws.
- Diagonal slots aid the removal and ejection of the core.
- Applications - High quality manufacturing techniques ensure high rotational precision, therefore these holesaws are suitable for use both in hand and pillar drills (manual feed only).