Compressor Housing

Material: Aluminum Alloy

External Form Milling
- Prolonged tool life
- Excellent surface finish
- High speed machining of aluminum alloys
- Coolant through for improved chip control

Cutting conditions

Vc=700 m/min (1970 sfm)
fz=0.2 mm/t (0.0078 inch/t)

Internal Form Boring
- High effective solution
- Excellent surface finish
- High profile repeatability
- Coolant through for improved chip control

Cutting conditions

Vc=600 m/min (1970 sfm)
fz=0.08 mm/t (0.0032 inch/t)

Integral Boring
- Quick insert change
- No need for regrindings
- Extremely rigid clamping
- Coolant through

Cutting conditions

XNUW…/ TCMT… ID5
- Brazed PCD tips inserts
- Increased cutting parameters

Cutting conditions

Vc=700 m/min (1970 sfm)
fz=0.2 mm/t (0.0078 inch/t)
**ALUFRAISE**

**CA-SPM... ID5**
- PCD tipped cartridge
- High accuracy Ra0.4µm
- Wide range of insert types
- High machining parameters

**Cutting conditions**
- \( V_c = 2500 \text{ m/min (8200 sfm)} \)
- \( f_z = 0.07 \text{ mm/t (0.0028 inch/t)} \)

**Face Milling**
- Lightweight body
- Unique coolant system through a cover
- Axially adjustable cartridges for runout elimination
- User-friendly adjustment system
- High speed machining

**Slot Milling**
- Excellent surface finish
- Excellent part straightness
- Coolant supply to each cutting edge

**External Forming**
- Extreme accuracy
- High surface finish
- Coolant through

**Cutting conditions**
- \( V_c = 1200 \text{ m/min (3900 sfm)} \)
- \( f_z = 0.08 \text{ mm/t (0.0032 inch/t)} \)

**Cutting conditions**
- \( V_c = 600 \text{ m/min (1970 sfm)} \)
- \( f_z = 0.1 \text{ mm/t (0.0039 inch/t)} \)

Material: Aluminum Alloy