

Aluminum Clutch Housings

Magna's large flow-formed aluminum transmission shells yield significant weight savings over their traditional steel counterparts.



Features and Specifications

- Shell overall dimension: Height 298mm x 255mm
- Increased material strength with flow form process:
 - Prior to flow form: 50HB
 - After flow forming: 90HB
- Weight savings – 3.6kg (67%)
 - HSLA 420 part weight: 5.4kg
 - Aluminum 5052 part weight: 1.8kg

Competitive advantage/differentiators

- Flow forming aluminum
- Experience with different alloys
- Multiple rows of splines possible
- Tone wheel attachment possible

Applications/benefits

- SOP 2019
- Volume: 200,000 units per year

