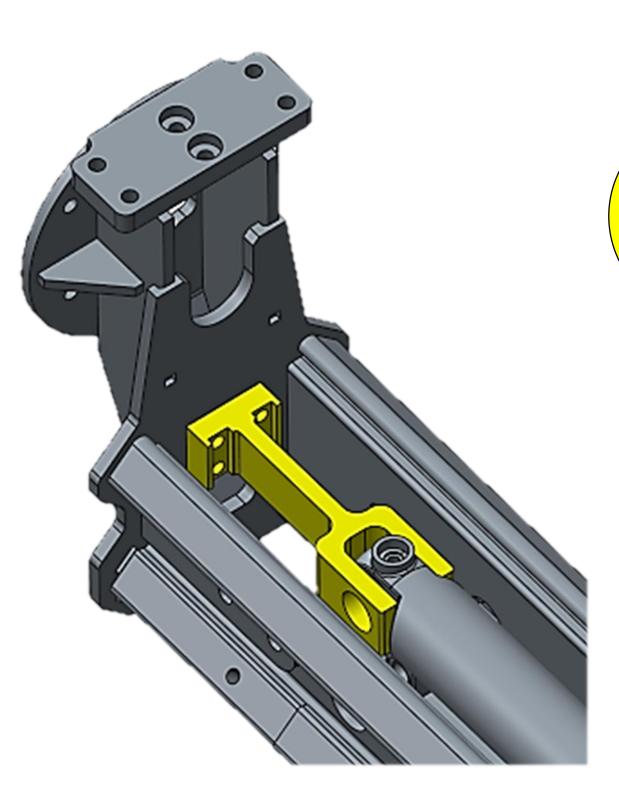
Light Weight Additive Manufactured Mining Components



2.4kg

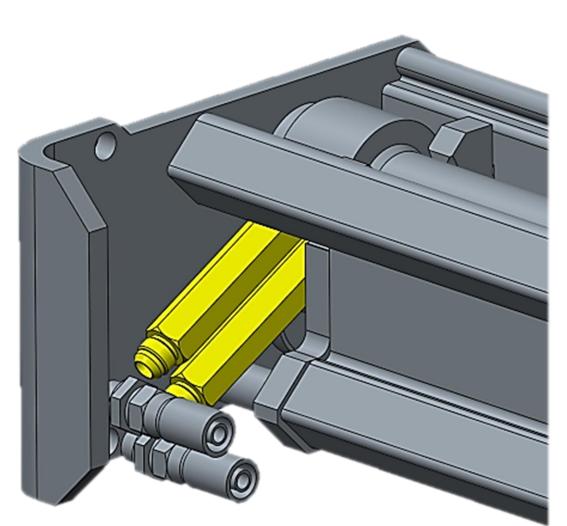
Dog bone

0.5kg

- Topology optimized
 - PA2200
 - Cheaper to manufacture

-78%





1.1kg

Nipplereplacement

0.7kg

- Easier hose handling
 - Stronger
 - Improved supply chain

-34%



14.7kg

Manifold

1.3kg



- No plugging required
- Same valve inlet and outlet positions





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