## Functions and Benefits

**Compact and Stable Design**
Shorter projection length and thicker front wall cross section result in higher rigidity. This allows higher cutting parameters and better surface quality.

**Advanced Hydraulic Clamping**
Three times better clamping force than standard Kennametal HP hydraulic chucks, with runout of 3 microns at 2.5 times diameter overhang. This results in up to 50% longer tool life and improved workpiece surface quality.

**Balance Quality at G2.5 at 25,000 RPM**
Lower vibration, particularly at high speeds. This results in higher productivity.

**Easy Side Access for Clamping/Unclamping**
Mechanical stop for clamping and 10mm tool length adjustment. This results in reliable, consistent clamping and no over-torque. No torque wrench required, just a standard Allen wrench.

**Focused and Flexible Product Offering**
Allows direct clamping for 20mm and 32mm (3/4" and 1-1/4"). Reducer sleeves available for all combinations metric/inch, which results in reduced toolholder inventory, maximum flexibility and minimum cost

- High rigidity
- Enables higher cutting parameters
- Provides better surface quality
- Up to 50% longer tool life
- More productivity at higher cutting speed
- Consistent reliable clamping
- No over-torqueing
- Reduced toolholder inventory
- Maximum flexibility
- Minimum cost

**HydroForce™ HT Hydraulic Chuck High Torque**
The new HydroForce™ HT chuck is a great combination of excellent runout, torque, rigidity and dampening, which enhances tool life significantly. The chucks are available in bore sizes of 3/4”– 1-1/4" (20 and 32mm) and by using the standard reduction sleeves, diameter range can be extended to 1/8” (3mm).

- Only two chuck sizes and standard reduction sleeve portfolio required to cover all popular diameters, metric and inch
- No torque wrench required
- MQL offering is available as a custom solution
- Universal chuck for all applications drilling, reaming, tapping, and heavy milling
- First-choice solution for rotating applications

- HydroForce HT gives you an unparalleled combination of accuracy and clamping force