

**NEW**



Quicker • Sharper • *More* Powerful



## BPT's New High Performance Range !

### HIGHLIGHTS :

Reduces cost per piece due to superior  
Balancing grade G 2.5

80% Higher Gripping Force

Reduces Friction, Resists Wear and Resists Heat

Forms a Protective Barrier and Increases Hardness

Improves cutting tool life at high speed, feed

Protects against corrosion

Enhances Appearance

Why you need  
**“PANTHER”**  
Electro Less  
Nickel Coating ?

**PANTHER SERIES TOOL HOLDERS OF TAPER BT30, BT40, BT50 AND HSK63A ARE  
ALWAYS AVAILABLE EX STOCK & WITH GUARANTEED QUICK DELIVERY**

## Wide Clamping Range:

- The slit design allows for a wide clamping range with a continuing best run out TIR
- Broad range of products: we offer sizes from ER 8 up to ER 50 and diameters from ( 1.00 mm) to (36 mm)
- Matched tooling system (BPT PANTHER ER Tool Holder With BPT PANTHER ER Collets)
- For best fit the compatibility of the entire system results in maximum precision and balance and tool life

**PANTHER ER tool holders** are designed and manufactured with Close tolerances as compared with those in market. This allows us to hold our dimensions to a more narrow tolerance, providing better fit and accuracy.

- 3-point measurement of all AT3 steep tapers - better fit
- Tighter thread tolerance - higher holding torque and lower TIR
- Collet to taper TIR of less than 0.0001" (3 µm) - longer tool life
- Unique 100% precision balancing - the highest rpm
- Special formulated steel - improving wear and strength
- Full lot traceability- maximum reliability and process control

## PANTHER ER COLLETS

PANTHER ER Collet System is recognized world-wide as the most accurate, consistent and repeatable

- Process control for batch-to-batch consistency
- All High Precision (HP) collets are inspected to assure 100% compliance
- Guaranteed TIR over the FULL clamping range
- Superior surface finish provides improved accuracy of fit
- Special formulated spring steel for better wear
- Longer life and improved flexibility
- Rely on the original

**PANTHER ER Collet Clamping Nuts** are manufactured to tolerances as per DIN 6499 Class-I standard which gives better "fit" between the matching ER Tool-holder and Collet.

- Standard friction-free smooth running nut for higher clamping force
- Higher transferable torque Lower frictional forces resulting in up to 80% higher gripping force over standard non-treated clamping nuts
- Protection against corrosion with a special treatment of the surface for longer life



## BIRLA PRECISION TECHNOLOGIES LIMITED

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