

HYDRO GRIP

BPT
BIRLA
PRECISION

The Jelly Process Manufacturing

VISUAL
PLUS



Highlights

BPT JELLY filled Hydraulic Chuck

- Because of **SOLID JELLY** totally **LEAKAGE Free**
- No **SLIPPAGE** Of Cutting tool hold in Chuck due to **HIGH Transmittable Torque** achieved because of **SOLID JELLY**
- **PERFECT VIBRATION DAMPING** due to **PATENTED SILICON JELLY**
- **Repeatability of 3 micron TIR** over **50000 Clamping & De-clamping Cycles** of **JELLY FILLED HYD Chucks**
- **More Than 10-Years** life so **lowest CPC:**

Competitor OIL filled Hydraulic Chuck

- Because of **LIQUID OIL** frequently **LEAKAGE** problems
- Frequently Tool **SLIPPAGE** Problem due to viscosity of **LIQUID OIL**
- No Guarantee of **VIBRATION DAMPING** due to Local Hydraulic **LIQUID OIL**
- No Guarantee of **REPEATABILITY** due to Local Hydraulic **LIQUID OIL LEAKAGES**
- **Less Than 5-Years** life so **highest CPC:**



Advantages of BPTs JELLY Filled Hydraulic Chucks Over Competitors OIL Filled Hydraulic Chucks

BPT JELLY filled Hydraulic Chuck

- Patented SILICON JELLY as a PRESSURING medium
- ZERO Down and set up time due to NO LEAKAGE
- Hence NIL cost due to Zero Down and Set up Time
- Based on Bore Diameter HIGH Transmittable Torque more than 800NM
- Transmittable TORQUE is 1.5 Times HIGHER than OIL FILLED
- IMPROVED SURFACE FINISH because of SOLID RUBBERISED patented SILICON JELLY
- HIGHER cutting, tools cutting EDGE LIFE, 50% longer because of JELLY
- LOWEST cutting tool COST PER PIECE
- Peacefully HIGHER Work, piece ACCURACY
- Guaranteed TIR within 3 Micron at nose and 5 Micron at 4 times of the cutting tool shank Diameter
- Defined Piston Stroke stop guarantees against specified clamping force due to solid jelly
- Cutting Performance is far less susceptible to heat generated due to cutting during operation
- BPTs, ALL JELLY FILLED Hydraulic Chucks are PERFECTLY Balanced to 6.3 @ 15K with Authenticate Balancing Certificate
- JELLY FILLED Hydraulic Chucks are EASY TO REPAIR and REUSE again after 10 Years, if perfectly preserved after use

Competitor OIL filled Hydraulic Chuck

- Local General HYDRAULIC OIL as a PRESSURING medium
- Down and Set up time is HIGH due to FREQUENT OIL LEAKAGE
- Non-Value Added (NVAs) High due to HIGH Down and Set up time
- Based on Bore Diameter LOW Transmittable Torque
- Transmittable TORQUE is 1.5 Times LOWER than JELLY FILLED
- Rough SURFACE FINISH comparatively patented SILICON JELLY Hydraulic Chucks
- LOWER Cutting, Tools Cutting EDGE LIFE
- HIGH Cutting Tool Cost Per pcs
- Frequently HEAD ACE, INACCURATE Work Piece due to OIL LEAKAGE / Set up Change / Tool Changes etc.
- No Guarantee, frequent losses in the TIR due to Viscosity of oil in Summer and Cold climate
- No Piston Stroke stop guarantee against specified clamping force due to LIQUID OIL
- Liquid Hydraulic Oil SEAL FAILS during Cutting Operation due to HEAT Generation during operation
- Stays balanced, but no Guarantee whether it's balanced or not
- Due to Frequent Oil Leakages, very Hard to repair and Replace the Seals Can not Repair



BIRLA PRECISION TECHNOLOGIES LIMITED

REGISTERED OFFICE : 23, Birla Mansion No. 2, 1st Floor, D. D. Sathe Marg, Prarthana Samaj, Mumbai 400 004 | Ph No. 022-23867498
website: www.birlaprecision.com



• BRANCHES •

Mumbai : (022) 66168400
Pune : (020) 27123477
Bangalore : (080) 22128347
Chennai : (044) 25342636

Hyderabad : (040) 27713177
Gujarat : (079) 22123277
MP (Indore) : 9993592691
Ludhiana : (0161) 2722535

Delhi : (011) 43575500, 23278531, 23276809
Uttarakhand : +91 9012462818
Kolkata : (033) 22485191
Kanpur : +91 9935112276

For Export Enquiries : (022) 66168400

CUSTOMER CARE

Ph: (0240) 2554300 | Email: info@birlaprecision.com