



LEXUS Scaife Drive are precision machines for driving diamond polishing Scaife at high speed with high precision, controlling dynamic axial run-out in very tight limits.

## **Specifications**

- Power Supply : 415V AC – 3 Phase – 50 Hz  
(Available in any country specific voltage)
- Maximum Torque : 5 N/m (1.5 KVA)
- No Load Current : 0.4 to 0.6 Amp (415 V)
- Starting Current : 10 Amp (415 V) – for 10 Second – on full load
- Normal On load Current : 0.7 to 1.0 Amp (415 V)
- Spigot Size (Scaife Bore) : 50mm – EXPANDING NOS.

## **Salient Features**

- Use of super precision P2/P4 quality matched pair angular contact bearings guarantee dynamic axial run-out within 0.001 mm.
- Large 60 mm bore duplex matched pair mounted in tandem at the nose end ensures unmatched life performance for years to come.
- Duplex matched pair mounted in tandem at the tail-end supports the spindle under 500 N pre load force. This ensures very high stiffness to take care of small unbalance force coming from the unbalanced Scaife.
- Expanding nose always ensures concentric mounting of balanced Scaife eliminating requirement of balancing the Scaife on the mill after mounting.
- It allows use of open top mills, enhancing appearance of the factory, allowing easier operation.
- The complete assembly is dynamically balanced on high precision balancing machine developed specifically for this captive purpose.
- The super precision bearings are greased for life, and require no attention during their many years of service.
- Direct drive spindle eliminates sources of vibration and trouble (belt).
- Ultimate rotational accuracy, due to quality manufacturing set up.
- Single piece stabilized spindle, resulting in maximum stability. (Scaife is actually fitted on Spindle, on not on a screwed on flange).

