

ENERGY EFFICIENT & LUBRICATION FREE INTEGRATED TWIN BALL BEARING SPINDLE SYSTEM (PATENTED) FOR RING FRAME SPINNING MACHINE

Unity Engineers & ATIRA (Ahmedabad Textile Industry Research Association) are pleased to introduce Innovative & Breakthrough Technology Spindle having Integrated Twin Ball Bearings.

The power saver Spindle “**UEAT-SPINDLE-I**”, offers tremendous benefits by way of Lower Power Consumption, Elimination of Lubrication Cost and Least Replacement Cost. This directly results in Higher Profits as well as Ease of Operation & Maintenance of the machine.

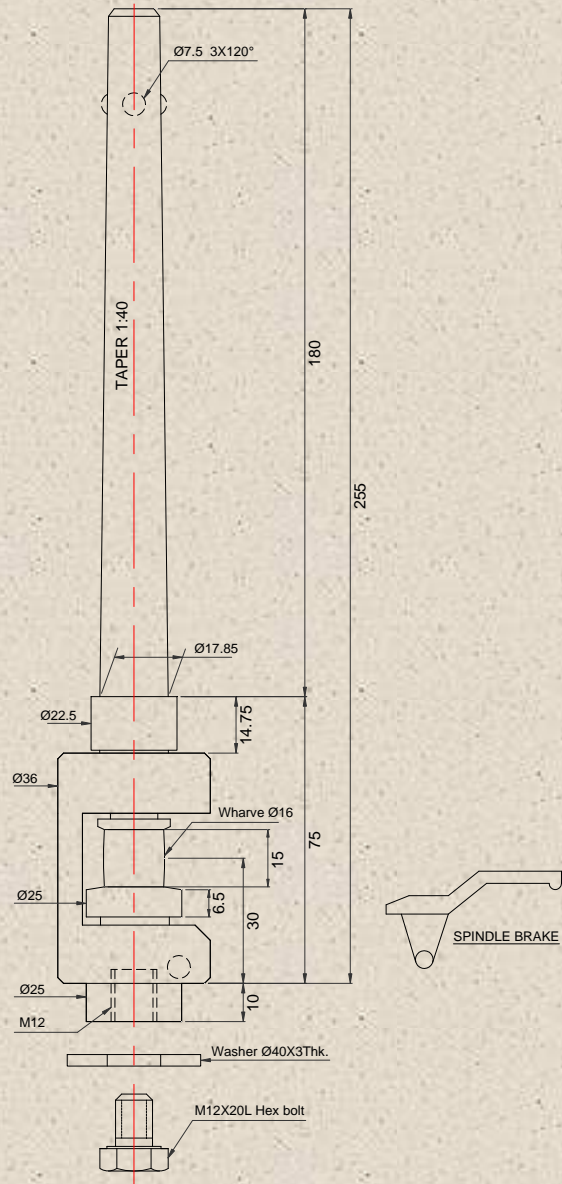
Salient Features

1. Unique Patented **Integrated Twin Ball Bearing** design. Resulting in the Power Saving.
2. The 1st spindle in the world to have **lowest Wharve dia. of 16 mm**, compared to 18.5 and more. The wharve dia of conventional spindles is at least 15.6% more compared to “**UEAT**”, hence to attain set spindle RPM, the transmission has to rotate much more, which means that it will consume that much more power. **At least 10-12% power saving** can be achieved by replacing conventional spindles with **UEAT** Spindles.



3. **Lubrication Free Spindles:** As the bearings are lubricated for the life, there is no need for spindle lubrication oil. There is a substantial savings of the lubricating oil cost. Also the hassle of periodic oil changing is totally eliminated, increasing production & profit.

4. **Highly Extended Spindle Life:** Unlike conventional spindle which has to be discarded upon getting worn out, **UEAT** Spindle can be put back in use by simply changing the Ball Bearings. Hence Least Replacement Cost.



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