

# Balance-Precision Belt Drive use of Sheave **V and Timing Pulley**

Made in India



**PERFORMANCE MEETS  
RIGHT-ROTATION FEATURES**



V-pulley as per IS 3142



Taper Bush per DIN 6885



Timing pulley per ISO 2768



Solid Hub V Grooved

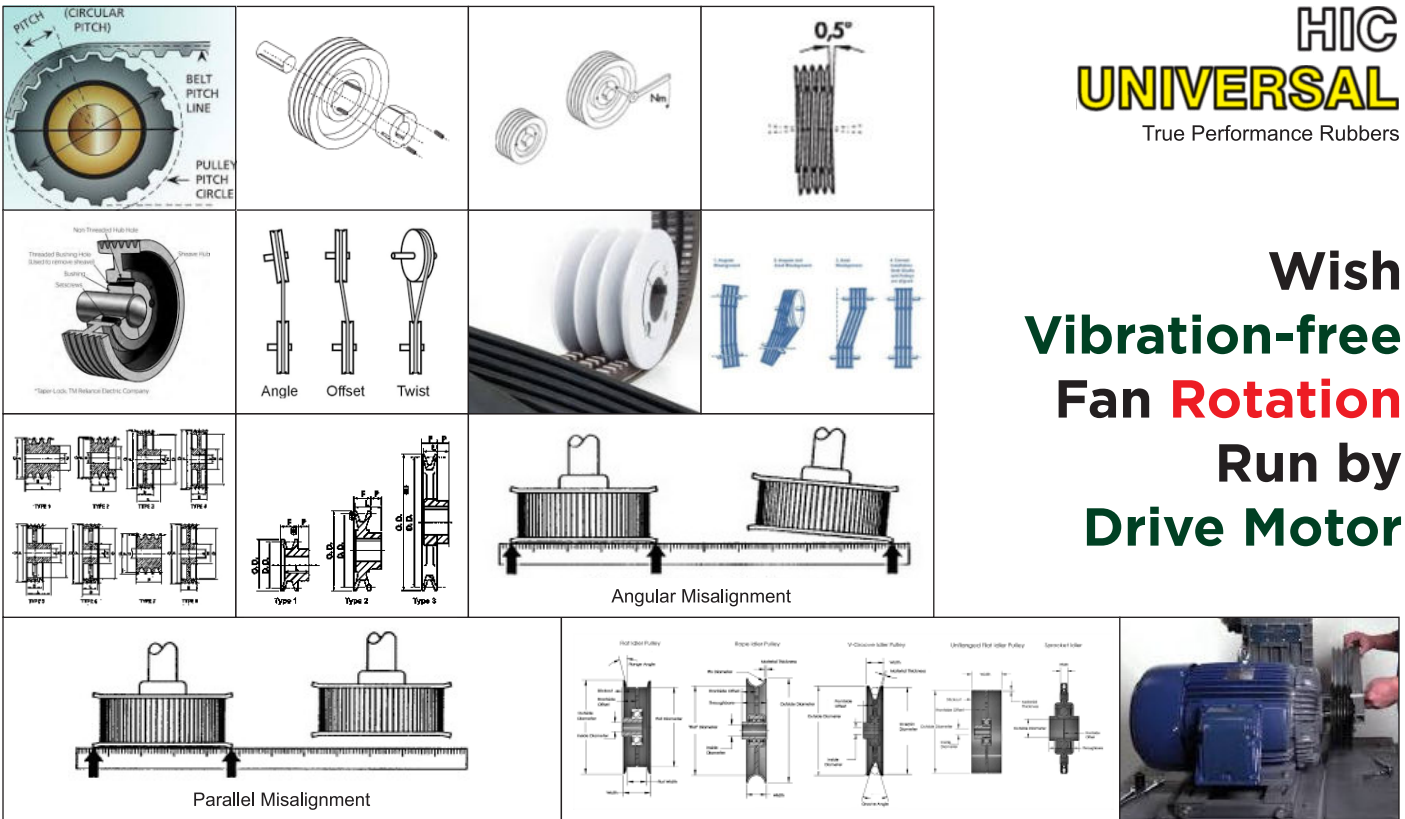
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**Installation & Warranty  
Information**

**Wish**  
**Vibration-free**  
**Fan Rotation**  
**Run by**  
**Drive Motor**



**Manufacturing Range at: [www.UniversalDelhi.org](http://www.UniversalDelhi.org)**  
**Profile at: [www.hicRubber.com](http://www.hicRubber.com)**



## Thank You for Purchasing HIC “UNIVERSAL” Belt Pulley

HIC International Co.'s Manufactured Quality Statically Balanced industrial electric-motor driven Fan V-Belt Sheaves and Timing Pulley produced from graded cast iron G3000GG/ FG 200/ Steel/ Aluminium material, CNC machined grooves and by generating topping cutters having min. backlash with or without taper bush system superseding IS: 3142, British BS 7620, German DIN 2211, ISO 4183, American ANSI IP - 20 for classical and wedge pulley, ANSI IP - 23 for narrow belt pulley, DIN 6885 for taper bush with metric bore, DIN 5294, ISO 1940 quality standards, Dynamically Balanced High RPM Belts Drive & Non Backlash Drive aspect Advantage assures Long Life Reliability.



## Break-free Industrial and Automotive Axles Drive Pulley Sheaves Installation **Tips**

- 1. Before Installing Check** for damages of **V grooved pulley** Driver and Driven, both sheaves are not worn out, including taper bush bore size.  
For **Timing Pulley**, check for Parallel and Angular Misalignment drive with the help of ruler across the face of the two timing belt pulleys or measure distance between the shafts at three (3) points along shaft, should be same. Straightedge to be long enough to span the distance between two outside edges of timing belt pulley faces.
  - 2. Tighten Screws** of taper bush with Allen-key of the v belt pulley.
  - 3. Align Shafts** horizontally of drive motor and driven machine shafts.
  - 4. Vertical Alignment Check** with guide rail of both pulleys face width of which should be evenly dimensioned.
  - 5. Mount Correctly Positioned** on the shaft without damaging pulley groove edges.
  - 6. Prevent Belts Breakage** by ensuring using min. recommended & higher pitch Diameter drive pulley.
  - 7. Graded Cast Iron** FG200 and equivalent is used filled with iron cement at times to protect from cracks during machining.
  - 8. Unhampered Production** even if Blow Holes gets visible at times in the rim, center plate & boss, nothing to interfere performance.
  - 9. Dynamic Balancing** of statically balanced pulleys is recommended for pulleys with large face widths or to rotate above 3,000 rpm speed.  
Weights pieces if attached should be kept intact.
  - 10. Fixing Removal Time Saving** is achieved by using QUICKFIT Taper-Lock Bush pulley type, needing No re-boring in place of general purpose without bush.
  - 11. Belt Slippage Check** is possible by using min. Allowed Diam., Pitch 75mm(+6mm=OD) for A, 125mm(+8=OD) for B, 200mm(+9=OD) for C, 315mm(+14=OD) for D, 500mm (+20=OD) for E, 63mm for SPZ, 90mm for SPA, 160mm for SPB, 224mm for SPC sections.
- Size Variation** (+,-1% Pitch Dia.; +,-0.5 °Groove Angle; +,-0.15mm Groove Top Width) as per HIC manufacturing tolerance should be acceptable.

**Disclaimer:** Information's, written and verbal are provided by HIC, relative to its **pulley sheaves** which it determines to be reliable & no liabilities of whatsoever nature in regards to its uses. The purchaser of HIC UNIVERSAL brand **v groove pulleys and timing belt pulley** should determine for itself the suitability of such industrial products.



## Why HIC Universal Drive Pulley Sheaves ?

**CNC Machined Grooves V-Belts A,B,C,D,SPC,SPB,XPA,5V,BB Run**  
Keep Belt Damages Negligible in Crusher, Ginning, Textile Machinery

**Fixing Ease of Quick Fit Taper Bush System Weld-on Hub**  
Saves Removal Time in Blower Motor, Fan, Flywheel, Excavator

**Minimal Vibration Timing Belt Precision Rotation**  
Drives Synchronous In Automotive Engine, Compressor, Go Kart

**Low Heat Build-up Enhances Vee and Timing Belts Life**  
Owing to Graded Cast iron & Sintered Steel Material Made



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### WARRANTY CERTIFICATE

The goods tailor-made, supplied as per buyer's P.O. specifications is warranted against any manufacturing defects for 12 months from the date of Invoice, and assume liability of repairing free of cost in the event of any manufacturing defects.

HIC Int. shall be under no liability in respect of any defect in the goods arising from any drawing, design or specification supplied by the Client. Goods claimed to be in default must be returned to HIC's factory at client cost; cost for return transport prepaid.



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