

Material Lifting Conveyor Drum Pulleys

Technical Specifications

Conforming IS 8531



Operate Conveyors Non-Stop b

Poleas tambor de acero equilibrados estáticamente

البكرات طبل الصلب ثابت بشكل المتوازنة

Équilibrage statique Tambour métallique Poulies









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Specification of Steel Drum Pulleys

Classified under HS Code 8425



conveyor operation with increased bearing life and reduced power consumption, in a way, the shell is made from heavy tubes or fabricated from steel plates, pulley shafts of carbon steel machined with proper bore and keyway (taper lock bushing system are also offered being optional), shafts fitted with anti-friction self-aligning ball bearings, pulley drum furnished with high quality herringbone or diamond groove rubber lagging grooved properly to resist slippage and conforms to IS:8531, ISO 3684, BS 970, SANS 1669-1 quality standards.

About HIC

HIC International Co Inc, formed in
1988 manufacturing industrial steel
and rubber products ISO 9001
certified producer of Conveyor belt
pulley lagging drum, Power
Transmission belts coupling pulley,
Hydraulic hose valve, Safety rubber
sheet mat quality exporters of HIC
Universal brand to industrial traders
distributors of USA, Australia, UAE,
Singapore, China, South Africa, UK,
Germany, Taiwan having
manufacturing factories in Delhi and
Ghaziabad UP of India.

Total Quality Management principles are followed and True Performance is thus assured.













Why HIC Universal Conveyor Drum Pulleys?



Statically Balanced

Ensures True Roll

Anti-Slip

Rubber Lagging on Fabricated Welded Steel

Self Aligning

Spherical Rolling Bearing

Crown Face Machined

Increases Conveyor Belt Life

High Lateral Holding

Power Takes Care of Excessive Belt Tension

<u>Lifting of materials vertically</u> in the conveyor belt gets accomplished using conveyor drum pulleys made in India by HIC Universal.

HIC Universal conveyor drum pulleys are <u>Original Choice</u> by **power plant consultants and underground mining equipment** manufacturers in India, Europe, Australia, Middle East, North America, South America, East Africa, South Africa, New Zealand, Ethiopia, Grenada, Hong Kong, Far East, and different Asian countries.







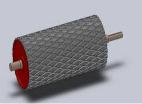






RANGE of Pulleys

Material Lifting HIC Conveyor Drum











Conveyor Head Pulley

Tail Pulley

Conveyor Snub Pulley

Conveyor Bend Pulley

Take-Up Pulley

- Conveyor Belt Drive Pulley up to 2400 mm BW
- Head Drum Pulley with Rubber Lagging Diamond Groove Pattern
- Tail End Pulley
- Belt Conveyor System Snub Pulleys
- Conveyor Machine Take up Pulley
- Industrial Pulleys, Others, as per specific requirements.













Sizes of Drum Pulley Manufactured

HIC Material Lifting Conveyor Roller

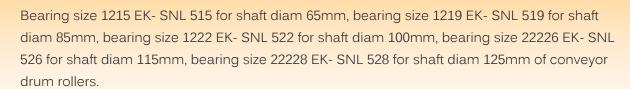
Conveyor drum roller face width MM of 600, 700, 750, 950, 1150, 1400, 1600, 1800, 2000, 2200 mm Head end drum rubber lagged and Tail end conveyor roller manufactured for respective belt width MM 500, 600, 650, 800, 1000, 1200, 1400, 1600, 1800, 2000 mm BW.



Bearing Plummer Block in Pulley

Sizes Assembled in Conveyor Drum Made By HIC

<u>Bearing</u> taper roller aperture of drum pulley 1211 EK – <u>Plummer block</u> SNL 511 for 50mm <u>shaft</u> <u>diameter</u> of reputed company like SMR or Masta used in manufacture of conveyor pulley used in manufacture.



Shaft diameter of belt conveyor drum rollers in accordance with corrected resultant load and belt tension selection being made.



 Vendor Data:
 www.hic-india.com
 Customers List:
 www.universaldelhi.org
 Catalogue:
 www.rubber-steel-industrial-products.com









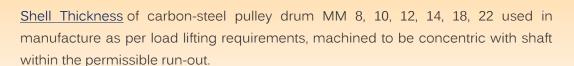


Tube Diameter, Shell and Shaft

Head Drum, Tail Pulley Produced By HIC

<u>Diameter of conveyor drum</u> pulley in accordance with maximum allowable working tension as per HIC conveyor belts fabric ply thickness specifications of minimum pulley diameter recommendations of steel tube diameter produced sizes MM 219, 273, 323, 355, 408, 455, 510, 630, 800,1000 mm.

Keyless locking elements used in manufacture for conveyor pulley shaft-to-hub attachments.



Head end conveyor drum for 3 ply ep or nylon conveyor belt used MM size 273, 323, 355, 408, 455 mm.

Head pulley conveyor for 4 ply ep or nylon conveyor belt used MM size 355, 408, 455, 510, 630 mm.

Tail end drum for 3 ply ep or nylon conveyor belt used MM size 273, 323, 355, 408,

Tail pulley conveyor for 4 ply ep or nylon conveyor belt used MM size 408, 455, 510, 630 mm.

<u>Shaft</u> material of EN3A steel grade or EN9 used in manufacture and quality grease type GPG-2LX EP used for bearing lubrication of conveyor drum pulley.

HIC drum conveyor pulleys are statically balanced.

Dynamic Balancing of drum conveyor roller also undertaken for drum pulley needed to drive at very high speed rotation.













Order Quantity Minimums

Numbers of Head Drum and Tail Drum of HIC Conveyor Pulleys Supplied

Conveyor Head drum Minimum order quantity of 01 number.

Tail drum conveyor Minimum order quantity of 01 number.

Packed in sea-worthy jute or HDPE bags. Also, packed in wooden cases on specific orders.



Head End Drum

Mining Conveyor Equipment Pulley

<u>Head end pulleys</u> are used by mining conveyor equipment manufacturers that helps give motion to the conveyor belt.



Herringbone Rubber Diamond Groove Lagging Pulley

Bulk Material Handling Conveyor Drum

<u>Diamond grooved rubber lagging</u> conveyor drum pulley are used by bulk material handling project consulting manufacturers for installations where conveying material deposits cannot be fully avoided















Tail End Drum

Quarry Vibrating Screen Conveyor Pulley

<u>Tail end drum conveyor</u> are used by quarry vibrating screen manufacturers for mounting at the end of a conveyor near loading point meant for cleaning spillage that turns freely allowing conveyed material to fall to the sides.



Snub Pulley

Crushing Feeders Conveyor Drum

<u>Snub conveyor pulleys</u> are used by crushing feeders equipment manufacturers that helps to change the direction of rubber belt movement and for tightening the lower flight to the top one being mounted at the conveyor bends for achieving a higher angle of wrap on the drive pulley.



Direction Reversing Pulley

Mineral Processing Conveyors Drum Pulleys

<u>Direction reversing pulleys</u> are used by mineral processing conveyors manufacturer's advantage being that helps to reverse the rotation of the driven pulley wheel in relation to the driver pulley.









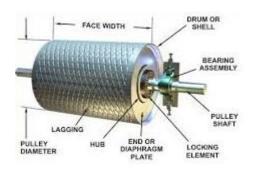


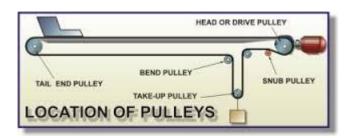




Nomenclature of Drum Pulley

Drum Diameter, Face Width: Technical Data





BELT WIDTH			400	450	500	600	650	750	800	900	1000	1200	1400	1600	1800	2000
F			500	550	600	700	750	850	950	1050	1150	1400	1600	1800	2000	2200
	40ф	50 ¢	700	750	800	900	950	1050	1150	1250	1350	-	-	-	-	-
D	65	5 φ	750	800	850	950	1000	1100	1200	1300	1400	1650	1850	-	-	-
В	80ф	100ф	800	850	900	1000	1050	1150	1250	1350	1450	1700	1900	2100	2300	2500
	125 ф	140ф	850	900	950	1050	1100	1200	1300	1400	1500	1750	1950	2150	2350	2550

doф	d2oφ	L1	L2	L3	J	Н	G	E
40ф	38ф	125	58	50	170	60	M12	102
50ф	48 ¢	150	82	55	210	70	M16	102
65 ф	60 ф	175	105	65	230	80	M16	151
80ф	75 ф	200	105	80	290	100	M20	165
100ф	95 ¢	235	130	95	350	125	M24	260
125 ф	120 ¢	275	150	110	420	150	M30	-
140ф	130ф	300	175	125	470	170	M30	-

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













Purchase Enquiry Info

Head or Tail Drum Conveyor Pulley Min. Information to Be Sent

(Email at: belts@universaldelhi.org; universal@hic-india.com or Call +91 11 2874 5120)

HIC ships drum conveyor pulley conforming IS 8531 tailor-made to buyer's order specifications to different countries including India. Please send following information in English to quote prices:

- 1. Drum roller face Width size mm
- 2. Drum tube Diameter
- 3. Bearing and Plummer block size
- 4. Shaft length and extension mm
- 5. Keyway size
- 6. Conveyor Pulley Type, head or tail or snub
- 7. Rubber lagging thickness mm, if needed
- 8. **Quantity** numbers



Shipment Handling and Delivery Time

Bulk quantity orders are packed in sea-worthy jute or HDPE in Rolls or Bags shipped via <u>sea</u> in less than container loads (LCL) /FCL or by air. Sea freight (BL) or Air freight (AWB) charges payable at destination.

Small orders are shipped overseas via **DHL** or **FedEx** or **Aramex** <u>courier</u>, for which your Authorization Account number be sent to be booked on "Freight To Collect" basis, together with complete acceptable physical address and phone or mobile number.

Domestic orders are dispatched to any destination in **India** by Road Transport, Gati or TCI or ARC or Jaipur Golden on **COD** basis.

Shipping Time, generally within 8-10 weeks or as stipulated in quote and accepted order.













Installation Method of Drum Pulleys

Non Stop Conveyors Operation, HIC Safe Conveying Tips

- Stands Be Fitted Properly
- Conveyor Be Assembled Properly, if necessary
- Mounting Brackets Be Attached To Conveyor
- Attach Conveyor to Stands
- Return Rollers Be installed on Conveyor Gear Motor Be Mounted as per manufacturers manual
- Guides or other accessories may be attached at the end













Organization Structure

Industrial supply manufacturing company having dedicated team of 63 skilled work forces includes Rubber Technologist, Chemists, Engineers and Skilled Labor's, Management Experts viz., Plant Manager, Quality Control Inspector, Lab In charge and I.T specialists. Majority of operations are automatic.

Production Capacity of Conveyor Transport Products

	Approximate Qty. per annum		
1. <u>Head Drum Pulley, Tail Conveyor Pulley, Snub Pulley</u>	1,200 nos.		
2. Carrying Idlers, Impact Rollers with Rubber Rings, Self Aligning Idlers,	60,000 nos.		
Conveyor Return Idlers			
http://www.rubber-steel-industrial-products.com/conveyor-rollers-manufacturer/index.htm			
3. Conveyor Belts General Purpose , Heat Resistant Rubber Belt, Food Belt	72,000 meters		
http://www.rubber-steel-industrial-products.com/conveyor-belts-manufacturer/index.htm			
4. Conveyor Belt Fastener, Bucket Elevator Bolt, Staple Type Lacing Fastener	1,00,000 numbers		

Visakhapatnam Steel Plant (721354), NALCO (3072), Subhash Projects (EM-10,18), Heavy Engg. Corp.(6003), Bokaro Steel (72621), Salem Steel(000155), Gujarat State Road(000118), ACC (944), Army Base(512/ABW-LP/76), NTPC(H8267), etc.

* Price List & terms on specific enquiry please.













Quality Assurance Plan

HIC Drum Pulleys Testing Parameters

Quality drum conveyor pulleys manufactured in ISO 9001 certified HIC factories in India with Production Supervisors conducting routine pre-manufacture checks and post-manufacture tests as to:

100% Physical checks with respect to dimensions,100% Chemical checks w.r.t. MOC,20% Random physical tests



Drum Balancing Machine



Dynamic Balancing Machine



Tensile Strength & Elongation Testing Machine

Test Certificate & Warranty

HIC Manufacturer's Lab TC of Conveyor Drum Pulley Supplied

Quality conveyor pulleys conforming IS 8531, ISO 3684- HIC manufacturers modern in-house Lab Test Certificate issued with respect to Overall dimensions, Face Width or Length, Bearings type, Shaft of EN8 bright steel bar, sealing system, besides other tests.

Warranty of one year against any manufacturing defects in HIC manufactured drum conveyor product.

<u>Third Party Inspections</u> by DNV, RITES, EIL, QSS, SGS, also arranged in HIC's conveyors factory or by Government Approved Laboratory, Test Certificate issue fee charges directly reimbursed by buyers.

<u>Legalization</u> by Embassy or Chambers of Commerce <u>Attestation</u> of export shipping Invoice and other documents also provided towards export of Indian Origin steel conveyor products if demanded on actual fee remitted by importers directly to HIC and or cost added up in Invoice.













Manufacturing & Testing Equipments



Exporters-Importers of industrial products having latest manufacturing machinery and advanced testing equipments.

Belt Press

Conveyor Products Production Machinery



Belting Calander

Banbury Rubber Mixer, Dispersion Kneader(s), Mixing Mill(s) 2 Roll, Calander Machine (3Roll), Jointing Machine, Rubber Bale Cutter, Hydraulic Presses (2 daylight), Hydraulic Press (single daylight), Hydraulic Finishing Press, Belt Endlessing M.C.(Vulcaniser), Sundry Machines viz. Lathes, Shaper, Generator sets, Hydraulic Jacks, etc.

Rubber Products Quality Testing Apparatus as per ISO:



Manufacturing Hydraulic Press

B.O.D. Incubator (seasoning chamber), Hot Air Ageing Oven, Physical Balance, Tensile Testing Machines, Abrasion Tester(as per DIN), Drum Friction Tester (as per Canadian stds), Scott Flex Tester (as per railways), Dumbbell Dies, Yarn Testing Machine, etc. Calibrated periodically. Indigenous technology with latest technical Indian knows how, however, no collaboration made so far.

Quality Control

It is in between process checks that are strongly checked & lodged in register to ensure finished rubber product meeting quality standards.

Test Certificate (TC) of our Lab, wherever, applicable, is forwarded along with the supply.













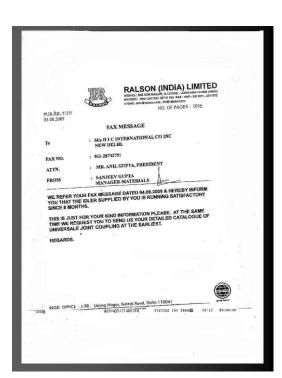
Performance Certificates

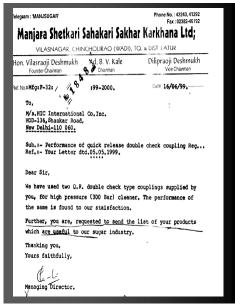


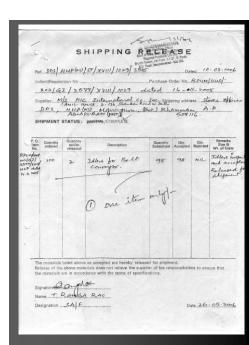
Export Excellence Award during Feb 1997

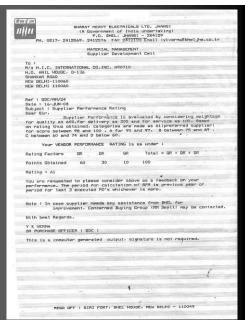


ISO Certificate









Many more certificates available as feedbacks are constantly monitored for providing highest customer's satisfaction.

Total Quality Management Principles Followed













Statically Balanced. Key Less. Cocentric.

Steel Drum Pulleys

TRUSTED BY MACHINERY OEMs OF UNDERGROUND MINING, POWER PLANT, CEMENT, SUGAR SINCE 1988

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