

CHEVRON CONVEYOR BELTS

HIGH INCLINE CARRYING / INTEGRALLY VULCANISED CLEATS



Space saving belts for high inclined material handling



FORECH

FORECH INDIA PRIVATE LIMITED

www.forech.com



Introducing FORECH-HILTON

Brand for a group of Companies, focussed on meeting the needs of the Mining & Mineral Processing and construction industry related to bulk material handling, wear protection, servicing and maintaining Conveyor belt systems with due care for environment management.

The Company now has almost four decades of experience servicing the industries. The Group started its activities in the year 1972 with initial focus on Conveyor Belts. Gradually, with the induction of new technologies and systems its activities have grown, to cover the rubber based needs of the above industry segment specifically in Crushing, Screening & Material Handling area.

FORECH-HILTON Conveyor Belts are produced at two locations of the company, with a production capacity of 9000 tons / annum. Our products include a comprehensive range of Textile and Steel Cord reinforced Conveyor Belts, Rubber Lining materials both for Wear and Chemical Resistance, composites made of Metals, Ceramics, textiles and Rubbers, Repairs and Splicing materials required for the above industrial segment.

The continuous growth which FORECH- HILTON has shown in the past is a result of efficient production processes and keeping a close contact with all the customers. Today the group exports its products to over 50 countries around the world, which constitute to almost 55% of its turnover and endeavours to become a one-stop-shop to meet all the rubber related needs of the mining and mineral processing industry. The group holds its prominent position in this field on account of a constant search for improvement and further development based on customer needs and responses. In search of excellence the group has also been assisted by global brand leaders in their respective fields of Conveyor Belts, Wear Resistant Components, Rubber Sheeting, Repair and Splicing Systems.

Why FORECH?

- Timely shipping of orders.
- Improved turn around time.
- State-of-the-art manufacturing and testing available in-house.
- Standard range of Conveyor Belts manufactured in two to six plies to enable selection of the most appropriate construction for every conceivable application.
- Availability of modern mixing Plants with automatic Carbon and Process Oil feeding system to take care of the product quality as well as environmental concerns.
- Compliance with international standards enabling access to areas of bulk material handling from the lightest to the most difficult of the working conditions, in the Stone Quarrying / Earth moving / Steel / Cement and Mining & Mineral Processing Industry.

QUALITY

- Forech's Laboratory is equipped with modern testing equipments which covers testing requirements as specified in all National and International Standards for conveyor belts and other materials. Laboratory also has the facility to test all the raw materials used for manufacturing of steel cord and Textile conveyor belts.
- Among the big list of Lab equipments most important are Rheometer, 5MT and 10MT Capacity Universal Testing Machine, Abrasion Testing Machine, Multicell Ageing Oven, Dynamic Cord Pull Out Test Machine, Torsion Bending Test Machine, Longitudinal Flexing Test Machine, Troughability Test Machine, Drum Friction Test Machine, Flame Test Cabinet.
- Forech has a Quality System covering not only its process, but safety & environment as well. Belts are manufactured with a unique production number and can be tracked for 5 years from the date of manufacturing.



OVER THE YEARS

Project for commissioning of third steel cord line for belt range from 1800 mm to 2400 mm belt width undertaken the line will be commissioned by March, 2017.

2016

Successfully commissioned new press for 1400mm wide x 3200 mm high Chevron conveyor belts at Dhaturi, Haryana alongwith Gravimetric feeder belts.

2014

Augmented endless belt making capacity to over 250 pieces per month including seamless belts and new moulds / presses for Chevron belts.

2012

Set up of Cheyyar Plant with 6,00,000sqft built-up area manufacturing textile Conveyors Belts and for the first time – Steel Cord Conveyor Belts.

2009

First Sidewall and Cleated Conveyor Belt manufactured, suitable for inclines upto 90°.

2007

2004

Set up of second factory at Dhaturi, Haryana to create a dedicated Textile conveyor belt plant alongwith specialized endless machine belts.

2003

Expanded range of pulley lagging, repair material, impact bars and other wear resistant products.

1997

Technical agreement with B.T.R., through Dunlop Enerka, Holland (The Netherlands) for Textile & Steel Cord Conveyor Belts.

1996

Tie up with TRS International GmbH of Germany to produce specialized rubber sheets with pre-coated bonding layers.

1994

Took over Hilton Rubbers Ltd.'s manufacturing plant, Sonapat, India; acquiring the world class production capability, processes, & technology developed by Trelleborg AB of Sweden.



Cheyyar, Tamilnadu

CHEVRON BELTS

With smooth surface Conveyor Belts the maximum conveying angle of inclination is approx. 20° depending on the material. If steeper angles of inclination are required, the same is made possible by using Chevron Cleated Belts. Chevron Conveyor Belts have rubber profiles that are integrally vulcanized with the top cover of the belt. These profiles are made with highly abrasion resistant rubber types and are offered in Softer Compounds (45 - 50 Shore) as also 60 shore materials. The profiles are shaped in such a manner that there is no need for special idlers and these can be run on conventional conveyor systems. The pitch of Chevron is designed so as to ensure a smooth ride over flat return Idlers.



Dhaturi Factory



CHEVRON BELTS

BELT WIDTH

Depending upon the Profile, Chevron Belts are available in standard width from 600mm to 1800mm. Chevron belts are normally supplied with Cut Edge construction.

PATTERNED CONVEYOR BELT

Rough Top Conveyor Belt; Herringbone Pattern Conveyor Belt; and a host of other options are available in open ends and endless forms.

Multi-V constructions with ¼ inch height are also available.

SPECIAL PROFILE WEIGH FEEDER BELTS

Forech manufactures special profile weigh feeder belts for use in thermal power plants & cement factories. These are highly calibrated seamless belts with side profile and centre guides.

ADVANTAGES

FORECH-HILTON offers a wide range of Profiled Chevron Cleated Belts, which make increased angles of 30° to 40° inclination possible. The prime advantage of high angle of inclination is that LESS SPACE is needed to reach the desired conveying height. Chevron Cleated Belts offered by FORECH-HILTON comply with INTERNATIONAL STANDARDS of rubber grades requirements.

PROFILE SELECTION CRITERIA*

Type of material	Material example	Max. angle of inclination		
		Height of cleats		
		h(mm): 16	h(mm): 25	h(mm): 32
Powdery	Flour, lime etc.	25°	28°	30°
Loose Flowing	Grains: corn, barley, wheat, rye, dray sand	20/25°	25/30°	25/30°
Loose Rolling	Gravel, ground stone	25°	28°	30°
Sticky	Wet sand, ash, wet loam	30/35°	35/40°	40/45°
Packed	Sacks, jute sacks, paper sacks	30/35°	35/40°	35/40°

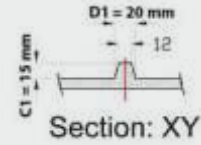
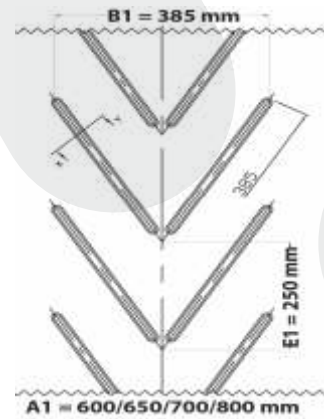
* Data from <http://www.savatech.eu/conveyor-belts/chevron-conveyor-belts.html>

RANGE AND TYPES OF CHEVRON BELTS

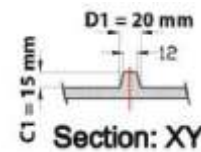
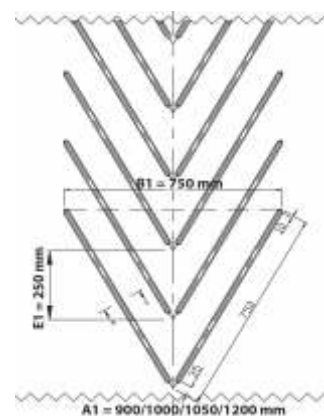
S No.	Parameters	Range
1	Belt Width	600-1800mm
2	Type of Fabric	Polyamide-Polyamide (NN), Polyester-Polyamide (EP), Aramid construction, Cotton Cotton constructions
3	Profile/Cleat Height	6.35 to 32mm
4	No of Plies	1-10
5	Edge	Normally Cut edge construction
6	Working Tension	25-200KN
7	Cover Grades	DIN 22102, M-24 IS 1891-I, H-ISO 10247, Y DIN 22102, N-17 IS 1891-I, D-ISO 10247 RMA GR I & II, W-DIN 22102, M/N AS 1932, L ISO 10247, Z DIN 22102, M/N SABS/1173, Heat Resistant, Oil & Grease Resistant, Antistatic White Nitrile, Fire & Flame Resistant, FRAS / MSHA
8	Standards Followed	ISO, DIN, BS, BIS, AS, MSHA, SABS, JIS etc

RANGE OF PROFILES

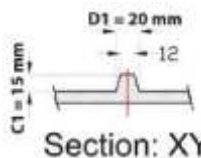
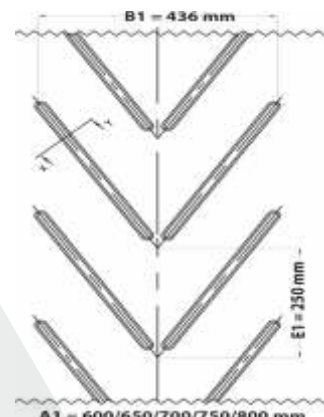
Cleat Type	FHC-15-1
Belt Width (mm) A1	600-800
Cleat Width (mm) B1	385
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	250



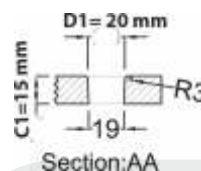
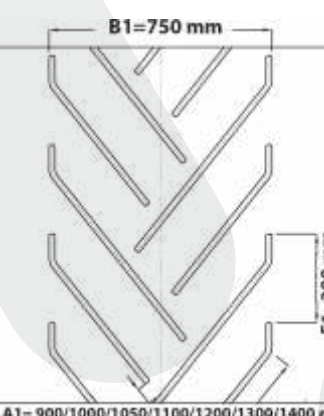
Cleat Type	FHC-15-2
Belt Width (mm) A1	900-1200
Cleat Width (mm) B1	750
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	250



Cleat Type	FG-15-1
Belt Width (mm) A1	600-800
Cleat Width (mm) B1	436
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	220

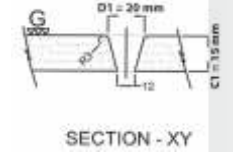
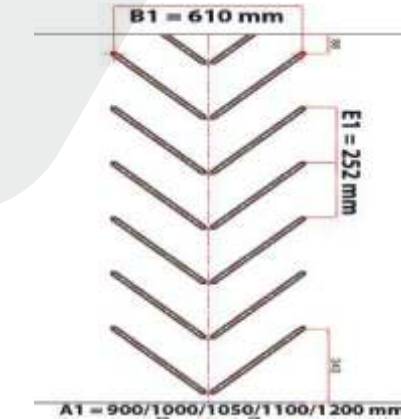


Cleat Type	FG-15-2
Belt Width (mm) A1	900-1400
Cleat Width (mm) B1	750
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	300

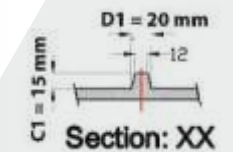
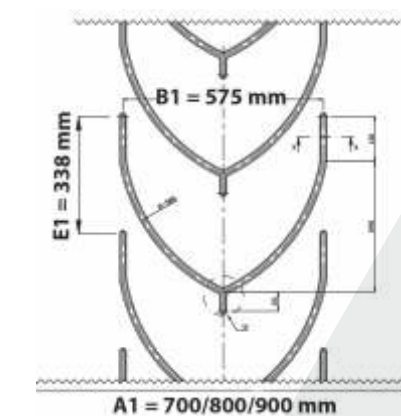


RANGE OF PROFILES

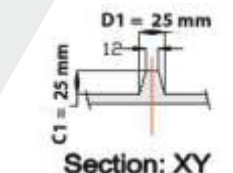
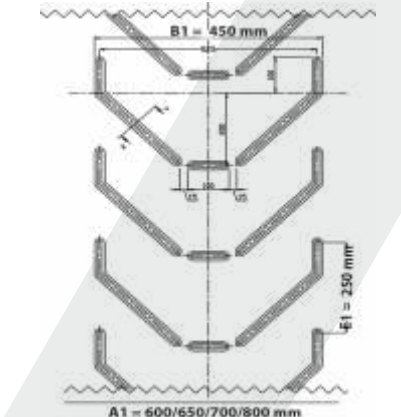
Cleat Type	C-15-P600
Belt Width (mm) A1	900-1200
Cleat Width (mm) B1	610
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	252



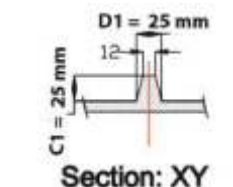
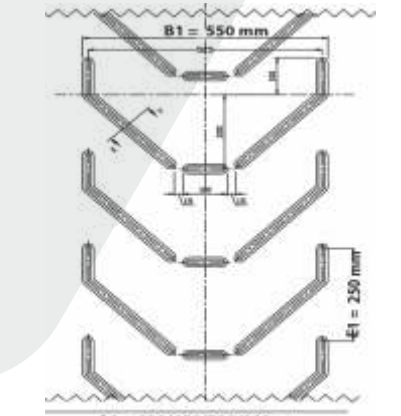
Cleat Type	FHY-15
Belt Width (mm) A1	700-900
Cleat Width (mm) B1	575
Cleat Height (mm) C1	15
Cleat Thickness (mm) D1	20
Pitch (mm) E1	338



Cleat Type	FHC-25-1
Belt Width (mm) A1	600-800
Cleat Width (mm) B1	450
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	250

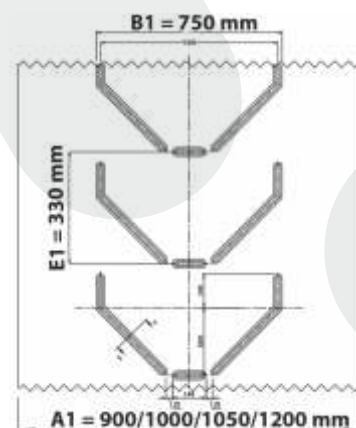


Cleat Type	FHC-25-2
Belt Width (mm) A1	600-800
Cleat Width (mm) B1	550
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	250

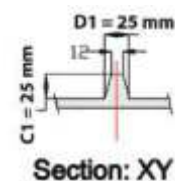
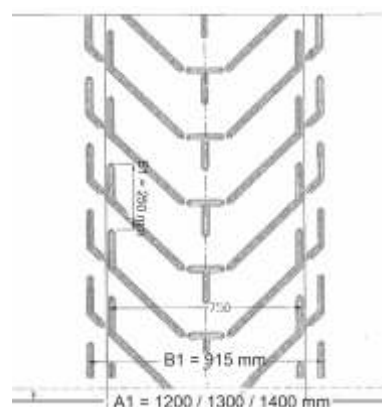


RANGE OF PROFILES

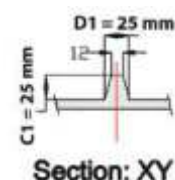
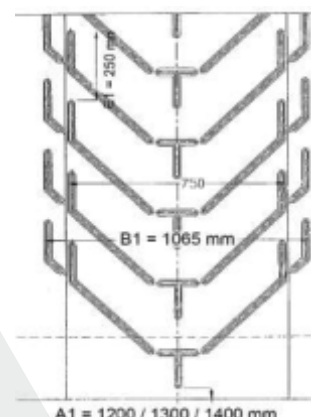
Cleat Type	FHC-25-3
Belt Width (mm) A1	900-1200
Cleat Width (mm) B1	750
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	330



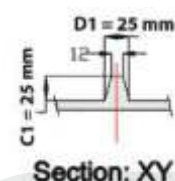
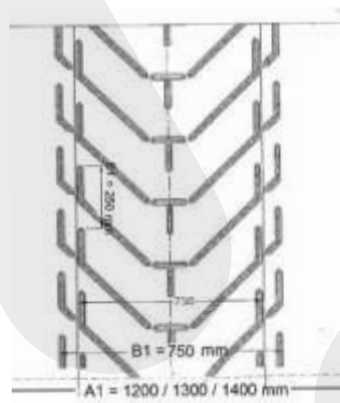
Cleat Type	FHC-25-4
Belt Width (mm) A1	1200-1400
Cleat Width (mm) B1	915
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	250



Cleat Type	FHC-25-5
Belt Width (mm) A1	1200-1400
Cleat Width (mm) B1	1065
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	250



Cleat Type	FHE-25
Belt Width (mm) A1	1200-1400
Cleat Width (mm) B1	750
Cleat Height (mm) C1	25
Cleat Thickness (mm) D1	25
Pitch (mm) E1	250

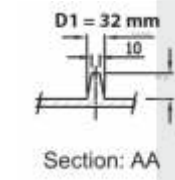
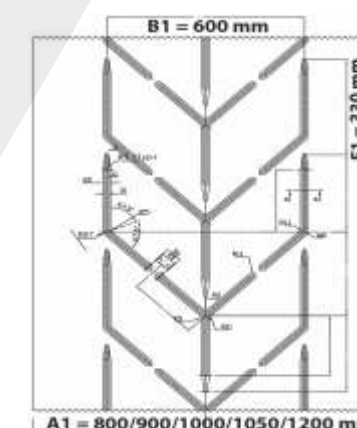


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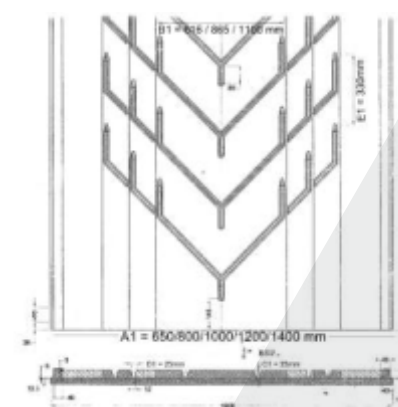
Cleat Type

C-15-P600

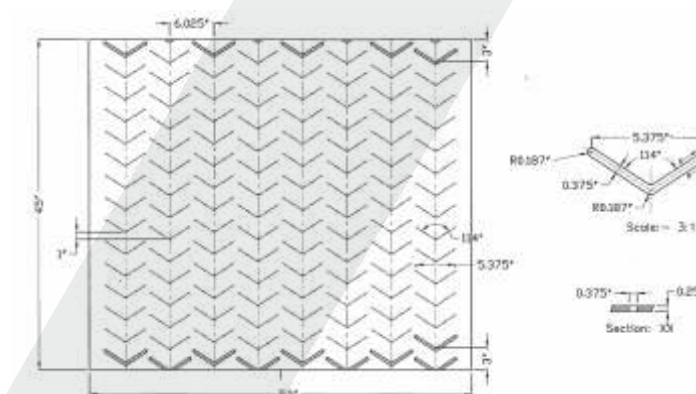
Cleat Type	FHC-32
Belt Width (mm) A1	800-1200
Cleat Width (mm) B1	600
Cleat Height (mm) C1	32
Cleat Thickness (mm) D1	32
Pitch (mm) E1	330



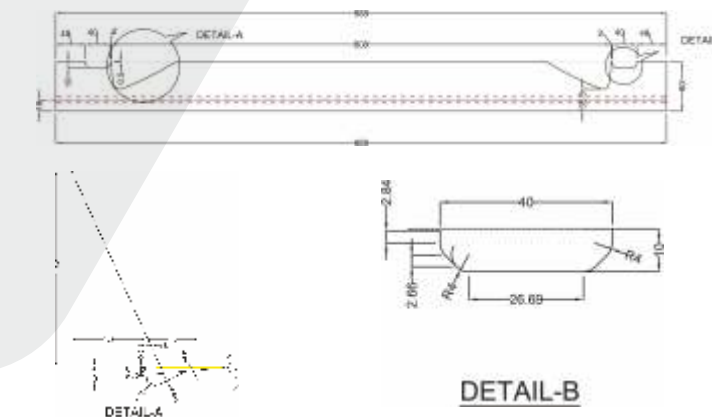
Cleat Type	FHC-35
Belt Width (mm) A1	650-1400
Cleat Width (mm) B1	616/865/1100
Cleat Height (mm) C1	35
Cleat Thickness (mm) D1	25
Pitch (mm) E1	330



Cleat Type	V-Cleat
Belt Width (mm) A1	1067/1219 /1524
Cleat Width (mm) B1	FULL WIDTH
Cleat Height (mm) C1	6
Cleat Thickness (mm) D1	6
Pitch (mm) E1	100

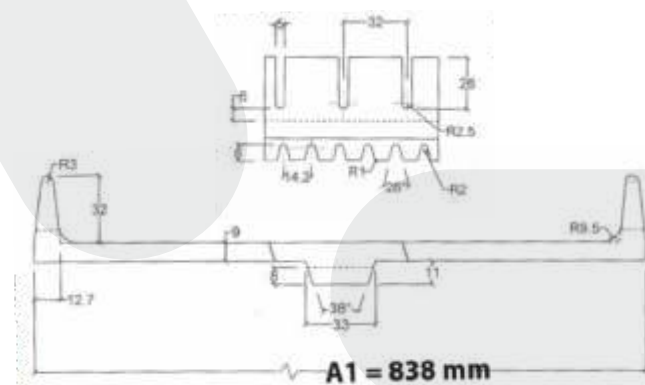


Cleat Type	EBS
Belt Width (mm) A1	808 / 1414
Cleat Width (mm) B1	100
Cleat Height (mm) C1	43
Cleat Thickness (mm) D1	-
Pitch (mm) E1	Full length

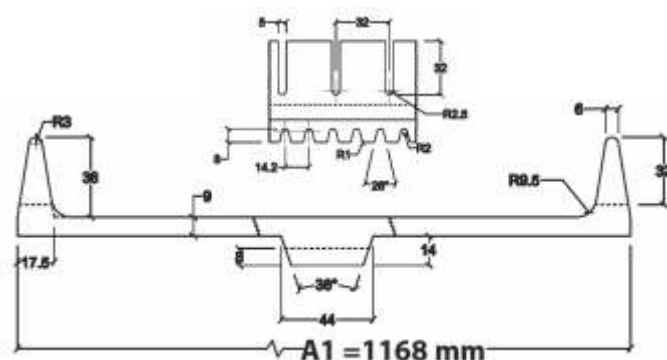


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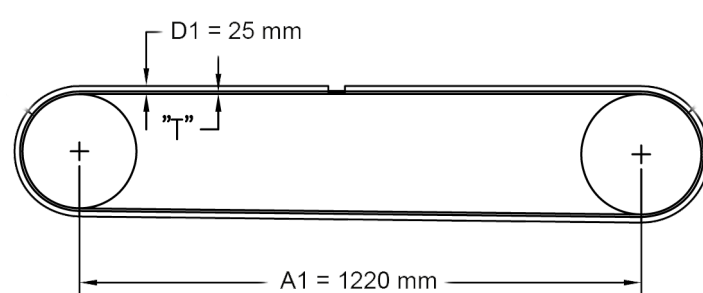
Cleat Type	FEEDER BELT 838
Belt Width (mm) A1	838
Cleat Width (mm) B1	-
Cleat Height (mm) C1	-
Cleat Thickness (mm) D1	-
Pitch (mm) E1	FULL LENGTH



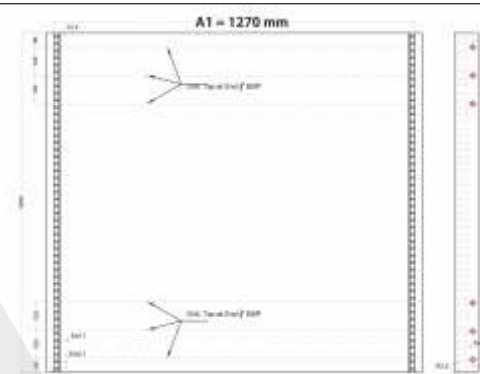
Cleat Type	FEEDER BELT 1168
Belt Width (mm) A1	1168
Cleat Width (mm) B1	-
Cleat Height (mm) C1	-
Cleat Thickness (mm) D1	-
Pitch (mm) E1	FULL LENGTH



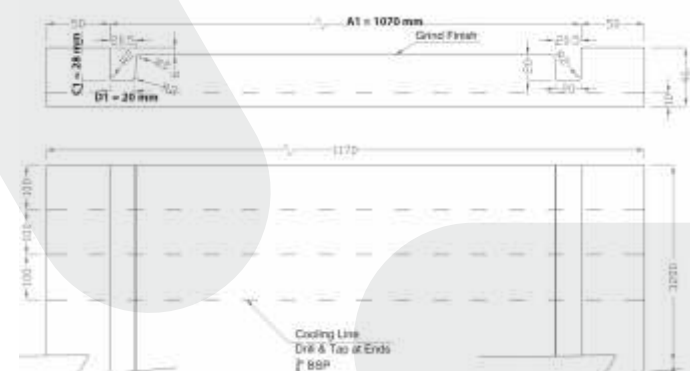
Cleat Type	FEEDER BELT 1220
Belt Width (mm) A1	1220
Cleat Width (mm) B1	-
Cleat Height (mm) C1	35
Cleat Thickness (mm) D1	25
Pitch (mm) E1	FULL LENGTH



Cleat Type	FEEDER BELT 1270
Belt Width (mm) A1	1270
Cleat Width (mm) B1	-
Cleat Height (mm) C1	35
Cleat Thickness (mm) D1	25
Pitch (mm) E1	FULL LENGTH

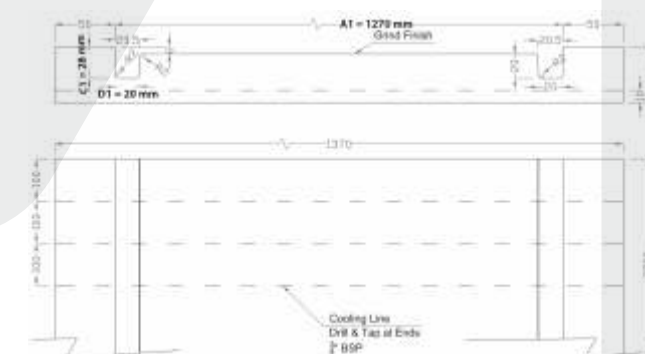


Cleat Type	PAPER BELT 1070
Belt Width (mm) A1	1070
Cleat Width (mm) B1	-
Cleat Height (mm) C1	28
Cleat Thickness (mm) D1	20
Pitch (mm) E1	FULL LENGTH

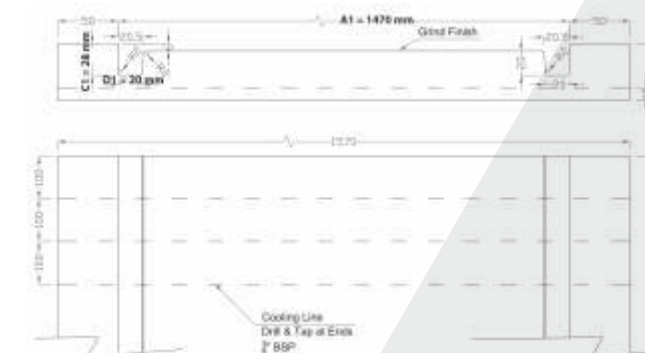


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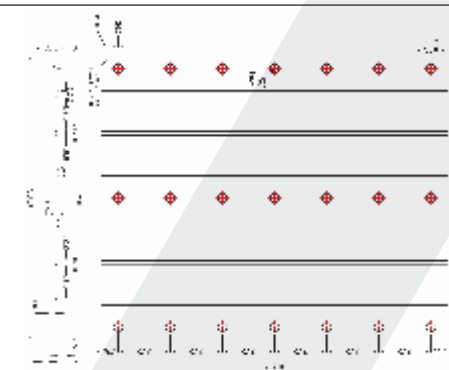
Cleat Type	PAPER BELT 1270
Belt Width (mm) A1	1270
Cleat Width (mm) B1	-
Cleat Height (mm) C1	28
Cleat Thickness (mm) D1	20
Pitch (mm) E1	FULL LENGTH



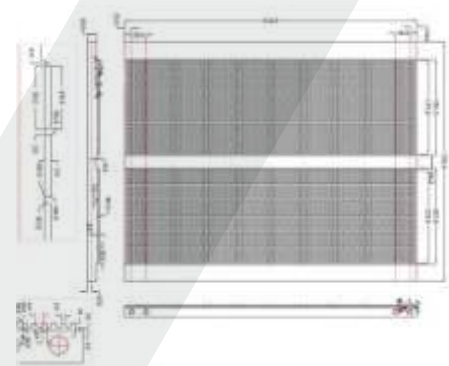
Cleat Type	PAPER BELT 1470
Belt Width (mm) A1	1470
Cleat Width (mm) B1	-
Cleat Height (mm) C1	28
Cleat Thickness (mm) D1	20
Pitch (mm) E1	FULL LENGTH



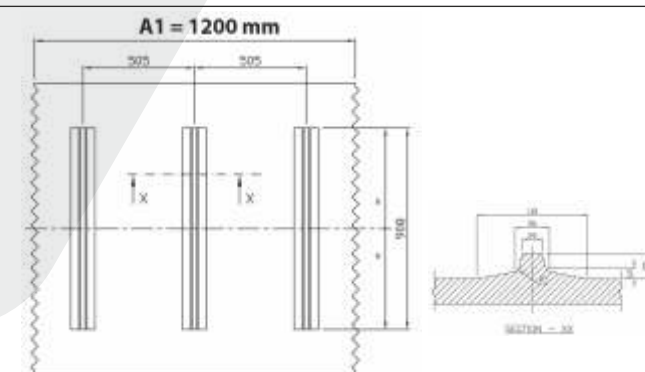
Cleat Type	WAVY TOP BELT
Belt Width (mm) A1	500-800
Cleat Width (mm) B1	-
Cleat Height (mm) C1	-
Cleat Thickness (mm) D1	-
Pitch (mm) E1	FULL LENGTH



Cleat Type	BAG DIVERter
Belt Width (mm) A1	200
Cleat Width (mm) B1	-
Cleat Height (mm) C1	-
Cleat Thickness (mm) D1	-
Pitch (mm) E1	FULL LENGTH



Cleat Type	MAGNETIC SEP BELT
Belt Width (mm) A1	1200
Cleat Width (mm) B1	-
Cleat Height (mm) C1	-
Cleat Thickness (mm) D1	-
Pitch (mm) E1	FULL LENGTH



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FORECH INDIA PRIVATE LIMITED

Registered Office

'Hilton House' S-23, Green Park Extension,
New Delhi-110016
Phone : +91-11-26960868, 26961275, 26514019
Fax : +91-11-26862373, 26534269
Email : info@forech.com

Branch Office

Chennai

G-1, "Hayagreeva", 85 Velachery Main Road
Guindy, Chennai-600032
Phone : +91-44-22352902
Telefax : +91-44-22351585
Email : chennai@forech.com

Kolkata

Merlin Links, 1st Floor, 1 G&F, 166-B S.P. Mukherjee Road
Kolkata-700026
Phone : +91-33-40605557 / 40605558
Phone/Fax : +91-33-24632234
Email : kolkata@forech.com

Works

- Village & P.O. Rai, Distt. Sonapat, Haryana-131029
Phone : +91-130-2366571, 2366572
Fax : +91-130-2366384
Email : rai@forech.com
 - Village Dhaturi, Distt. Sonapat, Haryana-131002
Email : dhaturi@forech.com
 - 1, SIPCOT Industrial Park, Vill. Mathur-Mangal, Post Cholvaram,
Taluk Cheyyar, Distt. Thiruvannamalai,
Tamilnadu 631 701
Phone : 04182 - 306832; 306835; 306843
Email : cheyyar@forech.com
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All information and indications given in this brochure are correct to the best of our knowledge and represent a true reflection of our current technology and experience. Due to ongoing developments, however, certain details may soon become obsolete. We can accept no responsibility for errors or omissions in recommendations given in the brochure.

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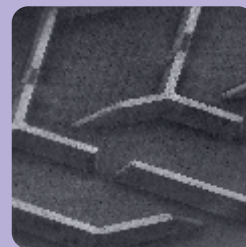
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Space saving belts for Steep
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