

Friflo Impact Pads



Tega has always been in the forefront of providing innovative conveyor products to industries handling bulk material. The immense advantage of Tega products is that they considerably reduce the operational cost of a conveyor system.

The loading zone in a conveyor system is an area that needs critical attention. The traditional method of providing protection to the conveyor belt uses impact idlers sheathed in rubber sleeves or rings, thus cushioning the impact of falling material.

However, this system has several functional disadvantages – in particular, the accumulation of dust and grime in the moving parts and the corrosion and damage of bearings and stringers. All of these lead to seizure and breakdown. Impact idlers therefore require rigorous maintenance throughout plant operations, which means severe downtime problems.

With the introduction of **Tega Friflo Pads**, such problems are largely eliminated. Designed for the adverse working conditions in which conveyors operate at material handling stations, Tega Friflo Impact Pads reduce downtime and maintenance costs considerably.

Construction of Friflo Impact Pads

The *Tega Friflo Impact Pad* is a fusion of three different layers. The top layer is made of UHMWPE - for smooth movement of the conveyor belt. The middle layer is of rubber - to cushion the impact load, while the lower layer is for fastening impact pads on to the main support frame, which is usually made of aluminium. The elasticity of the rubber is fully utilized in this design. The low-friction feature of the UHMWPE always ensures smooth conveyor movement.

Pads may be constructed based on a selection of clamping arrangements. These could be clamp blocks with a hexagonal headed bolt, Type H or a square headed T-bolt, Type T or non-reinforced ordinary rubber grooves with a clamp block headed bolt, Type P. In the absence of a specific request, standard design pads of Type H are supplied.

Tega's sophisticated manufacturing facility employs the latest fusion bonding techniques to produce the tri-composite Friflo Impact Pad which is integrated so well, that there is no possibility of separation.



Construction Type H

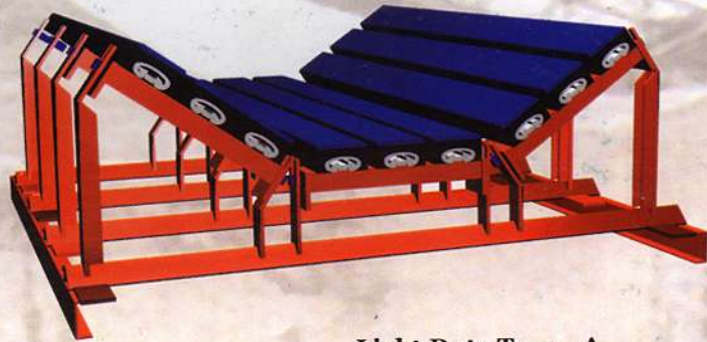
Construction Type T

Construction Type P

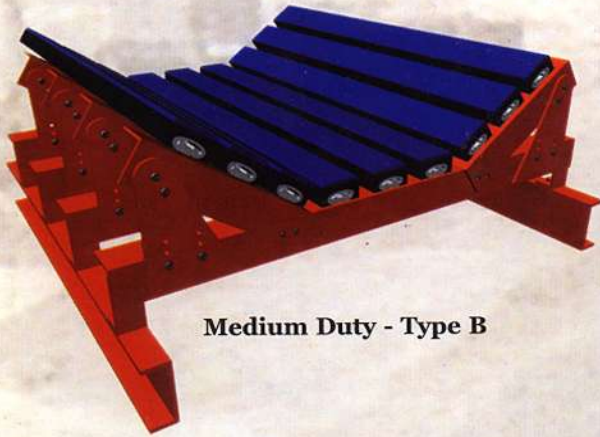
Construction of Supporting Cradles

Supporting cradles are designed to suit a wide range of applications :

Light Duty : In low or negligible impact areas, these low friction pads act as a slider bed. The belt runs flat and smooth, aiding belt training and transfer point sealing. For conveyors handling fine material, the spillage clean-up cost is appreciably reduced. Installation of pads can be done on existing idler frames, using only a retrofitting support base.



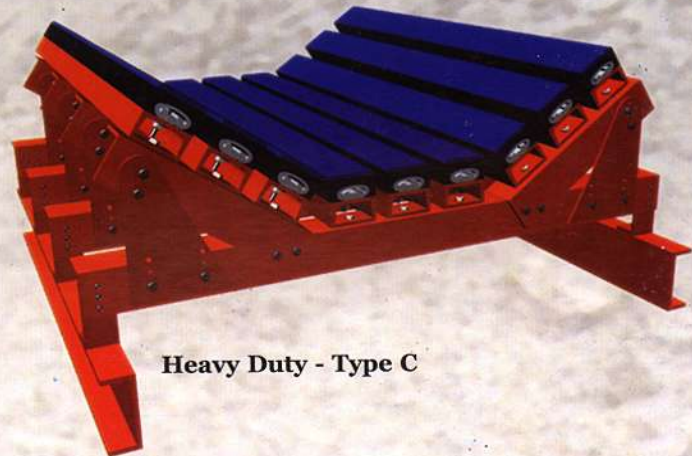
Light Duty Type - A



Medium Duty - Type B

Medium Duty : In areas where the impact load on the belt at loading zones is not severe, the Tega Friflo Impact Pad provides the much needed cushion to the conveyor belt while absorbing the impact energy of falling material. The bolted type modular support frame makes installation simple and the maintenance of the conveyor easy.

Heavy Duty : The sturdy pads are individually fixed over an equally robust frame to absorb high impact energy, reducing the damage to the conveyor structure. The adjustable frame is easy to handle and can be installed quickly.



Heavy Duty - Type C

Rigid, fixed frames for extra heavy duty and custom designed support frames are also available on request.

Features

- No maintenance - Fit & Forget
- Minimizes belt damage
- Reduces spillage at loading zone
- Modular and adjustable support frame
- Minimizes belt sway



Tega India Limited is the flagship company of the MM Group of Companies, a name synonymous with pioneering achievements in the mineral processing, mining, material handling and environment industries. The story of Tega began in 1976 when it was promoted as a joint venture company with Skega Aktiebolag of Sweden, the world leaders in specialized Wear Resistant Rubber products. Its mission was to provide unique products and services and to tackle complex problems in material handling and mineral processing industries. Pioneering the use of Skega's superior quality and field tested products in Indian industry, Tega immediately made its presence felt.

In a span of two and a half decades, the company has achieved many milestones. Apart from India, the products of the company are now well accepted in Europe, USA, Canada, Mexico, Japan, Africa and South East Asia. *This has been possible due to continuous in-house R&D activity and an enduring commitment to quality standards.* All the requirements of the international market are handled by another company in the group, MM Global Ltd. This company serves as an efficient vehicle for all Tega exports and provides international standard service .

How to order

Basic Components

A. Friflo Pads

Friflo pads are available in dimensions as indicated in the table. Four clamp blocks are required per pad of 1300 mm length. All installation items like bolts, nuts and washers are supplied as standard accessories. Pads of any other length can be supplied on specific request. The type of construction desired is to be specified. The number of rows of pads required is decided on the basis of belt width.

Pads	Dimensions (mm)
Width	100
Height	55 / 75
Length	1300 / 1400 / 1500
Construction Type	H/T/P

Rows of Pads required for each loading station

Belt Width (mm)	650	800	1000	1200	1400	1600	1800	2000	2200	2400
No. of rows	6	7	9	10	12	14	15	17	19	20

B. Cradle (Support Frame)

Tega Friflo Impact Pad cradles can be supplied in standard design (Types A/B/C) or custom built to suit specific applications. Enquiries/orders should be sent with the necessary information against parameters provided on the Data Sheet. The Data Sheet is available on request or may be downloaded from our website.

All international enquiries/orders should be to addressed to MM Global Ltd.

Phones : +91-33-446-4723, 457-0338 • Fax : +91-33-478-3820 • e-mail : export@mmglobal.com



Tega Industries Ltd.

Regd. Office: Unit House, P-40 Block 'B' New Alipore, Calcutta 700053

Phones: +91-33-478-3356, 478-3512, 478-3630 Fax: +91-33-478-3649, 478-1311

email: info@tegaindustries.com

website: www.tegaindustries.com