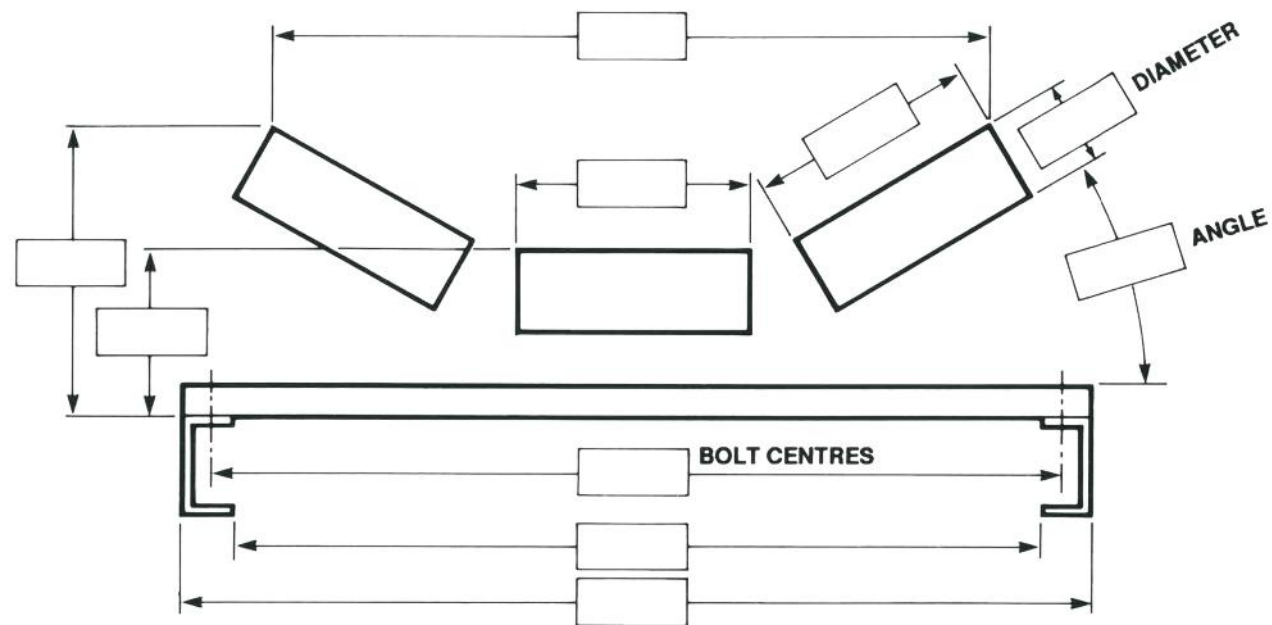


IMPACT BEDS

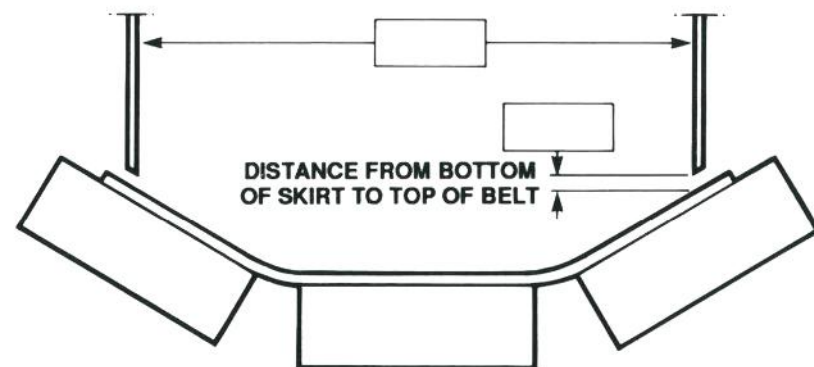
Impact Bar Assembly Design Data

Client _____
Contact Name _____ Phone _____ Fax _____
Email _____
Conveyor Belt Width _____ Length of Impact Area _____
Distance of Falling Material _____
Idler Manufacturer and Model _____
Max. Lump Size _____ Max. Lump Weight _____

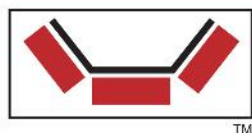
EXISTING IDLER DETAILS



EXISTING SKIRT DETAILS



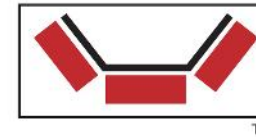
Dyna Impact Beds can be custom designed to suit your requirements. For more information contact your Dyna representative at dyna@dynaeng.com.au.



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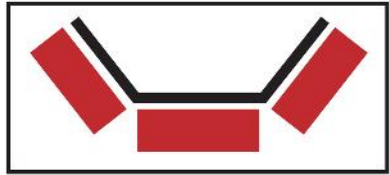
DYNA Engineering

**Manufacturers & Suppliers of
Conveyor Equipment & Services**

IMPACT BEDS



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DYNA Engineering

Dyna Impact Beds

Dyna-Trac Impact Beds are located beneath the conveyor belt at loading or transfer points and are designed to absorb impact forces from material-flow or lumps impacting with the belt. Impact beds are generally fitted in place of impact idlers, thus eliminating damage to bearings and other moving parts.

Using robust construction methods, large sized steel sections, fully welded and galvanised components, Dyna is able to design an impact bed to suit almost any location and impact load. Dyna Impact Beds are available as Standard, Heavy Duty, Hybrid designs or can be custom designed to meet your specific requirements.

The Dyna Advantage

- Unique construction methods result in a stronger, easily serviceable support frame
- Superior UHMWPE topped impact bars minimise belt wear
- Impact beds are individually designed to match the adjacent idlers improving skirt sealing.
- Impact bars are available 3 standard heights 51, 76, 100mm
- Impact beds can be up to 1500mm long
- Bed can be serviced from either side of the conveyor
- All sections are fully welded and galvanised



Standard

Dyna Impact Beds incorporate a unique pin-lock retaining system for positioning and fixing all removable parts. The pin-lock system eliminates all threaded fasteners and sliding members, thus reducing seizing, jamming, and binding of parts during assembly and dis-assembly. Further, no matter how much punishment the Impact Bed receives the pin-lock mechanism will not fall apart.



Heavy Duty

Used for larger, more demanding applications, Dyna's Heavy Duty Impact Bed incorporates the same pin-lock system but with larger pin sizes, and is constructed from fully welded, heavy gauge sections. Typically used with larger idler series, wider belt widths, increased lump sizes and higher fall heights, this impact bed delivers performance to meet any application.



Hybrid

Dyna's Hybrid Impact Bed incorporates impact rollers in the centre and impact bars on the wings. This design is suited to loading or transfer of finer materials where a consistent dust seal is required. The wing bars are used to control the belt in the skirt area and when used in conjunction with Dyna-Trac Flexiseal, a reliable seal between belt and skirt board is maintained.



Custom Designed

Dyna Engineering can custom design and manufacture Impact Beds to suit your needs. Examples include the Five Roll (as seen in the adjacent photo) and Suspended Impact Beds. If you require a project specific application or designed to match your existing infrastructure contact your Dyna representative at dyna@dynaeng.com.au.

Impact Bed Exploded View

At Dyna Engineering, all our beds are designed for maximum durability, long service life and ease of maintenance due to our superior design and construction methods as seen in the adjacent exploded view.



Impact Bed Exploded View

Easy Impact Bar Removal

When maintenance is required, the wings on both sides can be lowered by removing the pins from the supporting links, then the side impact bars can be easily slid sideways out of the supporting arms. The arms can then be removed if necessary and the centre bars can be easily slid sideways, all without the need to raise the belt.



Easy Impact Bar Removal