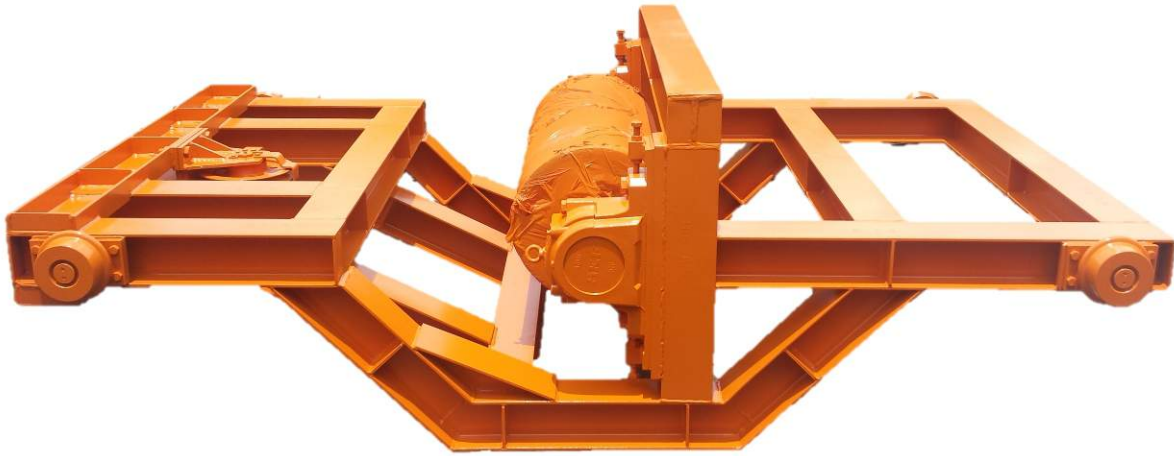


# CONVEYOR TAKE-UP TROLLEY



## GENERAL INFORMATION

The take-up carriage is an integral component in the conveyor system as this connects the conveyor belt to the tensioning system. The tensioning system can either be a gravity system or an automatic winching system. Due to this linkage the carriage is required to be extremely robust and durable to ensure that the conveyor belt is tensioned properly. It is also responsible to secure good controlling and straightness of the belt.

The DYMOT range of take-up carriages have been specifically designed and developed to meet our client's need with this regard. It is designed according to the principal that the width of the carriage (wheel centres) is related to the length of the carriage (wheel centres) by at least the square root of 2. Thus the length of the carriage must at least be 1.414 times longer than the width of the carriage. This will minimize the propability that the carriage will pull skew or jam on the rails.

To aid this the Dymot carriages are designed with 'V' - wheels on the one side, running on an angle iron, and Flat - wheels on the other side, running in a channel or on a flat surface. This allows the carriage to 'float' thus diminishing the propability of becoming jammed while at the same time securing that the carriage runs straight.

The carriage wheels are secured to the carriage by using standard Dymot sheave brackets. This innovative method requires no tedious time spent wasted on alignment of the brackets. Also prolonged standing time when maintenance is required is a thing of the past as it is a basic bolt off/bolt on process. It is just a matter of jacking the trolley up, removing the easily accessible bolts on the bracket, refitting the new bracket and wheel assembly and off you go. Dymot has also designed specialised trolley wheel that can be used as an alternative.

