

Fig. 5.6 Tension End Bearing Assembly (Exploded View)

Table 5.4 Component list of Tension End Bearing Assembly

07	TENSION SCREW	01
06	CSK SCREW	08
05	TRAILING WHEEL	01
04	TENSION END SHAFT	01
03	BEARING HOUSING WITH BEARING	02
02	HEX NUT	01
01	SLIDE PLATE	01
ITEM	DESCRIPTION	QTY

5.6 CONVEYOR CHAIN

5.6.1 Basic chain flights

The conveyor chain consists of drop forged and casehardened links to which are welded the chain flights as in fig 5.11 (or support lugs for I chain as in fig 5.12, the I chain flights are then bolted to these support lugs using shouldered bolts and self-locking nuts.)

The casehardening treatment results in links which possess a high tensile strength and resistance to wear. The shape and number of flights vary according to the particular application.

The link pins are likewise casehardened and are provided with an appropriate securing device.

The conveyor chain is designed for a long service life and is subjected to stringent quality control at the works.

A typical conveyor chain as shown in fig 5.13 consists of the following components:

- 80 Chain link
- 93 Chain-connecting pin.
- 94 Pin Circlip

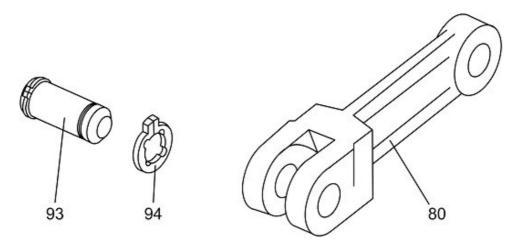


Fig 5.13: Components of a conveyor Chain