



**APPLICATION**

To convey different size of coal, Lignite, seeds, De-oiled Cake and many other granular materials.

**Information needed to quote.**

- Size analysis of product.
- Bulk Density of product.
- Moisture content.
- Flow ability – free flowing or sluggish.
- Capacity in TPH.

**TYPE** – Unbalanced Weight / Unbalanced Motor type – motion – circular.

Following give an idea of trough size and capacity. –

Trough Size	Length	Width	Approximate Capacity
2 x 8	800	200	1 – 5 TPH
3 x 10	1000	300	2 – 8 TPH
5 x 11	1100	500	5 – 15 TPH
6 x 12	1200	600	10 – 25 TPH

- FEATURES: -** Made form suitable M. S. plates to I. S. 226.  
Suspension of trough is on 6 No. Coiled springs. Liner plate at the trough bottom is provided, depending on material to be conveyed.
- CAPACITY: -** It is maintained by weight adjustment on motor or change of inclination of trough.
- VIBRATOR: -** Unbalanced weight type Vibrators are used above 25 TPH capacity.
- BEARING: -** No bearing except motor bearing. In case of 25 TPH and above 2223 series Spherical Roller Bearing is used.
- SPRINGS: -** Strong Springs are provided to isolate vibration. Steel confirming to IS 1675 to stand to million of frequencies.
- FASTENERS: -** All fasteners are fitted with Nylock nut.

**SYNAPSE ENGINEERING SERVICES.**

37/B, ANUPAM NAGAR, OLD PADRA ROAD. BARODA – 390 020 PH – 2356229, 2338346. FAX - 91-265-2356229

E-MAIL : [synapse\\_engg@yahoo.com](mailto:synapse_engg@yahoo.com)