

TROUGHED BELT CONVEYORS

mit-mol Troughed Belt conveyors are most widely used and efficient means of moving bulk materials. The belt is supported on slider deck or rollers mounted at 20°, 30° or 45°, two, three or five roller Troughed form.

- Horizontal or Inclined: Belt width up to 1800mm and capacities up to 300 TPH
- Conveyor Belts: PVC, PU, and Rubber belts available which are designed for handling high tonnages and are generally low in maintenance
- Open OR Fully Enclosed Design available.
- Construction materials: Painted mild steel , powdercoated , & stainless steel, option available



RATE PER HOUR (cubic feet / hour) of carrying material at belt speed of one feet / min

| Belt Width Inches | Flat Belt on IDLERS | 20° Troughed Belt on equal IDLERS | 35° TROUGHED BELT ON EQUAL IDLERS | 45° TROUGHED BELT ON EQUAL IDLERS |
|-------------------|---------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| 14 | 2.6 | 6.48 | -- | -- |
| 16 | 3.7 | 8.40 | -- | -- |
| 18 | 5.3 | 10.80 | 14 | -- |
| 20 | 7.3 | 13.50 | 20 | -- |
| 24 | 11.9 | 20.00 | 27 | 33 |
| 30 | 18.0 | 32.40 | 45 | 54.2 |
| 36 | 27.2 | 47.00 | 66 | 80.0 |
| 42 | 38.2 | 65.00 | 91 | 116 |
| 48 | 48.3 | 88.00 | 121 | 149 |

Recommended Belt Speeds-

- For picking belts : 50 to 100 feet / min
- Belt with discharge ploughs : 100 to 200 feet / min
- Proper discharge to carry material which tend to cling belt : 300 feet / min

