

# SCREW CONVEYOR



## Description

Screw conveyor, is a mechanism that uses a rotating helical screw blade (screw flights), welded onto a center tube to move granular or semi-solid materials. Screw conveyors in modern industry are often used horizontally or at a slight incline as an efficient way to move semi-solid materials, including food waste, wood chips, aggregates, animal feed, boiler ash commonly found in the food / beverage and municipal industry.

## Application

- Wastewater treatment plants
- Water treatment plants
- Irrigation network systems
- Water level regulation
- Equipment isolation



## Features & Benefits

- Lower energy consumption when compared to pumps
- Totally enclosed design contains hazardous odors and gases
- Bolted safety covers and screens significantly reduce the risk to operational personnel
- Efficiently distributes bulk materials to various locations using multiple inlet and discharge chutes
- Wide range of construction materials including carbon steel ,stainless steel, nickel alloys, and abrasion-resistant alloys
- Variety of light configurations available for conveying and metering of bulk materials
- Available in horizontal incline and swiveling configurations
- Ideal for handling de-watered and dry bio-solids, grit, and screenings



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# Performance & Specifications

## Screw Conveyor - Estimated Flow Rates

- We manufacture to suit non-standard openings
- Table data subject to change to suit civil and flow conditions
- Theoretical capacities
- All dimensions in mm

SCREW-FLIGHTS DIAMETER (A)																		
50	65	75	100	115	125	150	175	200	225	250	300	350	380	400	450	500	600	750
STANDARD PITCH RANGE (B)																		
50	50	50	50	50	50	50	75	75	75	125	150	175	175	200	225	250	300	380
	65	65	65	65	65	65	100	100	100	150	175	200	200	225	250	300	350	400
		75	75	75	75	75	115	115	115	175	200	225	225	250	300	350	400	450
			100	100	100	100	125	125	125	200	225	250	250	300	350	400	450	500
				115	115	115	150	150	150	225	250	300	300	350	400	450	500	600
					125	125	175	175	175	250	300	350	350	400	450	500	600	750
						150		200	200			380						
									225									
STANDARD BORE (C)																		
22.2	26.9	34.9	42.4	48.3	48.3	60.3	60.3	60.3	76.1	76.1	88.9	88.9	114.3	114.3	114.3	114.3	141.2	168.3

