

# Data Sheet 605.10

## Tubular conveyor SO



### Design

The tubular conveyor type SO is designed for efficient and reliable handling of powders and granular bulk materials in industrial plants. It is dust-proof modular steel construction with tube sections of 2 m. and inner conveyors of 4-6 m./sections.

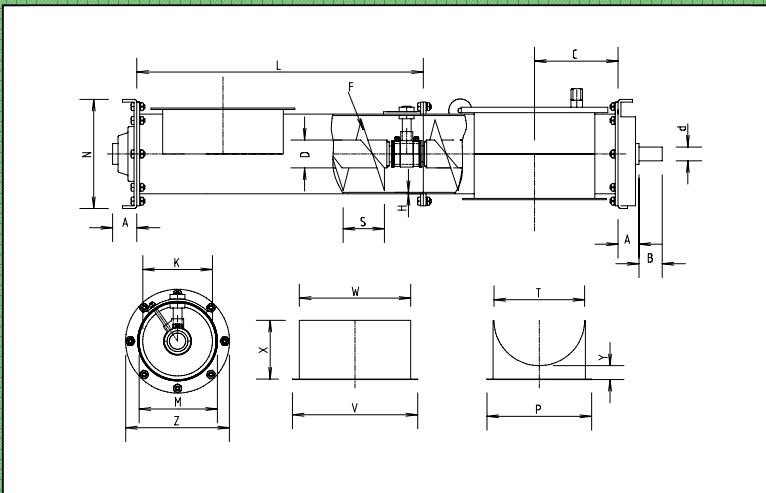
Supported by hang-bearings every 4 m. for horizontal transport and every 6 m. for vertical transport. The design of the support bearings all wearing parts to be changed easily. The standard support bearing material is beech wood, alternatively plastic, bronze or ball bearings.



Material	Grain	Flour	Coarser products
Type	m <sup>3</sup> /h with 50% filling and max rpm.	m <sup>3</sup> /h with 40% filling and max rpm.	m <sup>3</sup> /h with 30% filling and max rpm.
SO 200	240	120	95
SO 300	160	80	65
SO 400	140	70	55
SO 500	115	60	45

Capacity descent by slide put conveyor	0	15	30	45	60	75	90
Slope angle in degrees							
App. capacity in % as regards to horizontal	100	80	70	60	50	40	30

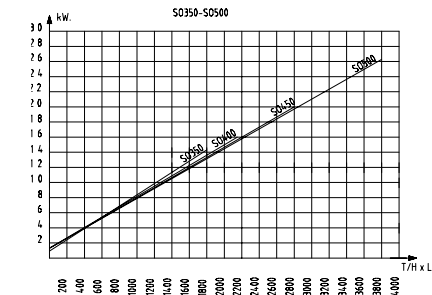
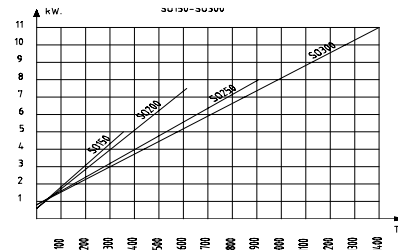
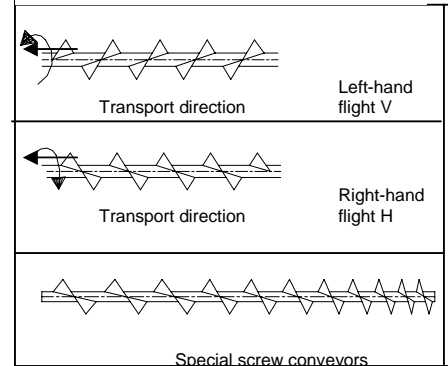
Note for max filling:  
On conveyors without bearings, one can obtain a filling of app. 80% on certain products



Dimensions	SO200	SO300	SO400	SO500
A	53	78	90	90
B	55	72	108	120
C	200	250	275	350
D	88,9x4,9	88,9x4,9	114,3x5,4	114,3x5,4
d	35	60	80	80
F*	200x4/2	300x4/2		
FA			400x5	500x5
H	3	3	4	4
K	200	300	400	500
L	2000	2000	2000	2000
M	216	320	420	520
N	290	394	526	628
P	278	382	496	600
S	175	260	315	390
T	228	332	436	540
V	350	450	560	660
W	300	400	500	600
X	124	176	228	280
Y	13	13	14	15
Z	274	378	510	612
Kg				
Basic add.	40	75	135	175
Kg/m	40	50	85	110

\*Endless flights ^Round plates All measures in mm. Weight excl. geared motor and coupling.

Flights can be delivered as right-hand or left-hand. As standard, the conveyors are delivered as right-hand.



### Note:

The diagrams are valid for light powder products etc., effect factor 2,3. At strongly wearing material such as sand, salt etc. effect factor 3-6 is used. The diagrams are not valid for special conveyors and extraction conveyors under silos.

T/H=Tonne/hour - L=Length in meter

Examples of effect factor:

- Effect factor 3,0 - Sawdust
- Effect factor 3,5 - Coconut deposits
- Effect factor 4,0 - Bone meal, cement, gypsum, earth, clay.
- Effect factor 5,0 - Fertiliser
- Effect factor 6,0 - Ashes, cinder, sand, salt

Effect addition for oblique conveyor

$$KW = \frac{\text{tons/time} \times \text{lifting height} \times 1,15.}{329}$$