CONVEYING

SCREW CONVEYOR
TYPE CAU

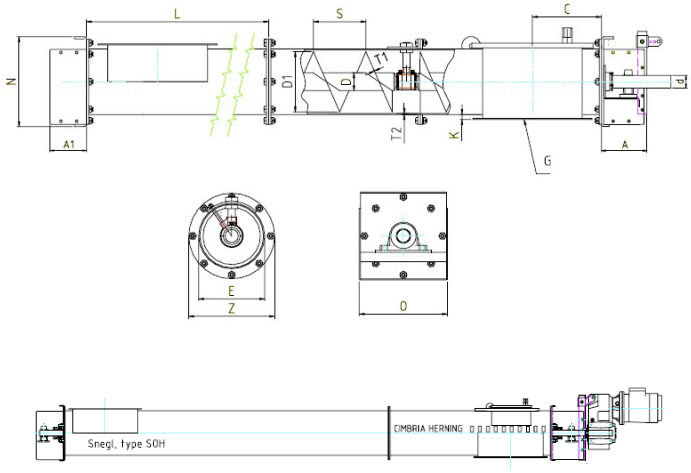
GENERAL

Brand	Trough conveyor
Model	CAU
Capacity range	2-12 m³/h
Application	**Efficient conveying of dry bulk materials**

Design

The trough conveyor type CAU is designed for horizontal or slightly inclined transportation of sludge or for incorporation in a sand-settling tank. The screw conveyor is manufactured in mild or stainless steel or a combination of both according to customer requirements. The screw conveyor is build from 2 m. trough and cover modules and with a full length special screw.

The trough can be equipped with different types of lining and our attachment design makes it easy to change this wear part.
As standard the wearing ring PE-HD is used.
The screw conveyor has been constructed with a trough and cover in 2. sections and with a shaft free inner screw in full length.
Max. total length for all types is 12 m. Plate parts such as trough, cover and end plates can be delivered in steel 37.2 or AISI 304. The flight is always steel 52.2.



Conveyor type CAU - DIMENSIONS

	CAU200	CAU300	CAU400
A	241	241	265
B Length of shaft			
C	200	250	300
D Shaft/bearing	Ø60	Ø60	Ø80
d Shaft/gear			
F Outside d. flight	Ø185-190	Ø280-285	Ø360
F1 Height of flight	45-60	60-70	70-80
F2 Flight thickness	15-20	15-20	20-25
H Trough thickness	3	3	4
I Lining (PE-HD)	6 mm	6 mm	8 mm
J Height	281	382	499
L Trough section L.	2 000 (max.)	2 000 (max.)	2 000 (max.)
M Trough inside	216	320	420
N	13	13	14
O Cover	2	2	2
P Outlet flange	278	382	496
R Height of trough	231	338	440
S Pitch	185-190	280-285	360
T Outlet	228	332	436
V Outlet flange	350	450	560
W Outlet	300	400	500
Z Total width	320	424	558

Conveyor type CAU - CAPACITY

Type	Max. rpm.	m³/h with 30% filling and max. rpm at horizontal transport
CAU 200	30	2
CAU 300	30	6
CAU 400	30	12

Effect at horizontal transport

kW =	(0.75 kW+0.1 kW pr. m . conv.) x actual rpm. 30
kW =	(1.0 kW+0.1 kW pr. m. conv.) x actual rpm. 30
kW =	(1.50 kW+0.1 kW pr. m. conv.) x actual rpm. 30

Effect addition for oblique conveyor

$$kW = \frac{t/h \times \text{lifting height}}{300}$$

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