



Hinged steel belt chip conveyors satisfy an exceptionally wide range of bulk conveying applications. They are suitable for managing heavy swarf and chip loads, stringy chips, continuous and discontinuous chips, high speed segmented chips and chip curls. Hinged steel belt chip conveyors are less suited for small aluminium chips.

**Hinged belt type chip conveyors are available in three different dimensions of the hinged belt link pitch:**

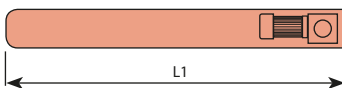
- For lightweight industrial processing with the link pitch of  $t=40$
- For moderate weight industrial processing with the link pitch of  $t=63$
- For heavy industrial processing with the link pitch of  $t=100$

**We fabricate the conveyors in three forms:**

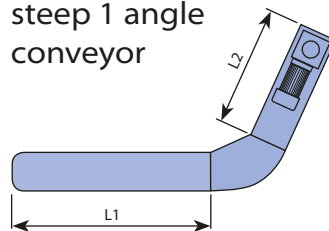
- direct conveyor
- steep 1 angle conveyor
- steep 2 angle conveyor

Choosing the right solution for conveying material, it is important to choose the form of the conveyor according to the schematic drawing showed in this Product Overview Map. The drawings show the key dimensions. The customer completes the Inquiry Form and enters the required dimensions  $L1$ ,  $L2$ ,  $L3$ .

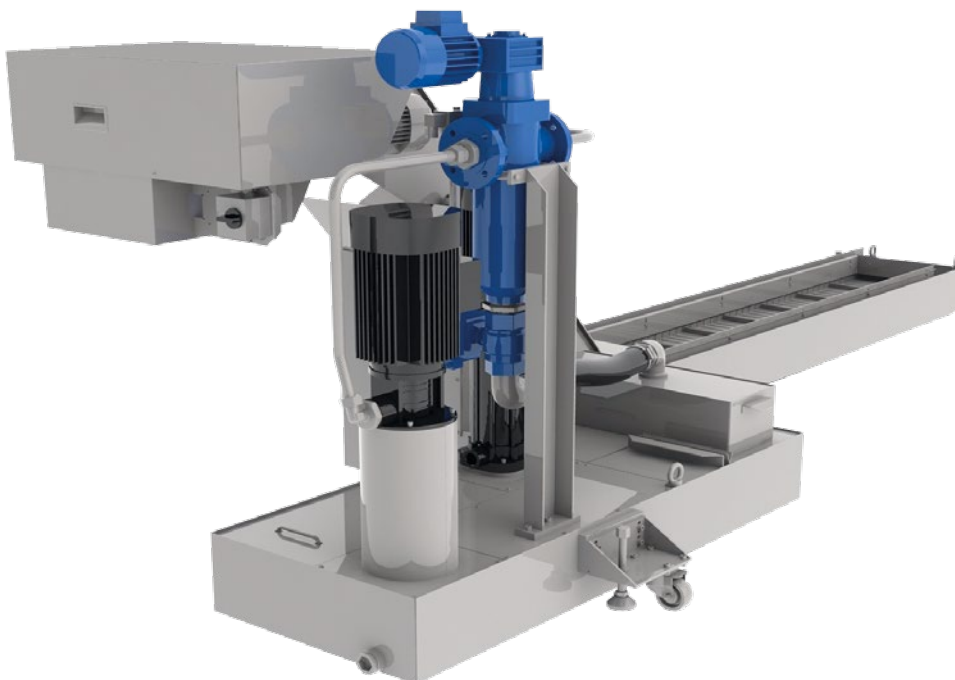
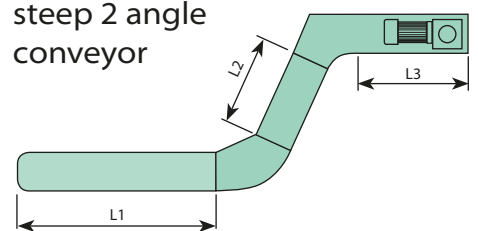
direct conveyor



steep 1 angle conveyor



steep 2 angle conveyor



CDT 40



CDT 63



CDT 100

### Technical specification of industrial operating procedures:

Carrying velocities for chip conveying of CDT 040, 063 and 100 range from 1 m/min up to 10 m/min

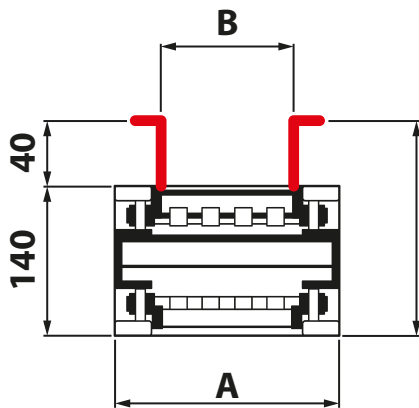
### Load carrying capacity:

- CDT40 up to 6 m<sup>3</sup>/hour (Approx. up to 3 tonnes/hour of assorted chips)

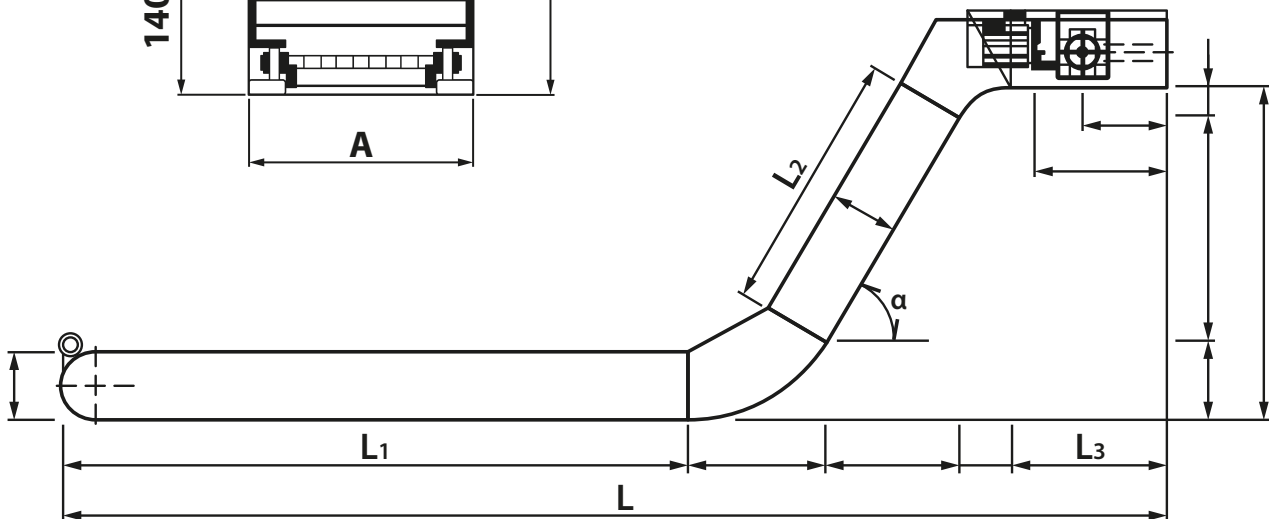
### Technical description:

- A - Width of the case
- B - Width of the loading section of the conveyor
- C - Width of the hinged link
- Dimensions L, L1, L2 and L3 conforming to customer's requirements
- We recommend the angle  $\alpha$  to an extent of 60° in exceptional cases max. 70°
- The motor drive of the conveyor is situated in line with the direction of forward momentum of the chips. P on the right hand side, L on the left hand side

t=40



### steep 2 angle conveyor



TYP	A	B	C
CDT 150	225	130	150
CDT 175	250	155	175
CDT 200	275	180	200
CDT 225	300	205	225
CDT 250	325	230	250
CDT 275	350	255	275
CDT 300	375	280	300

TYP	A	B	C
CDT 325	400	305	325
CDT 350	425	330	350
CDT 375	450	355	375
CDT 400	475	380	400
CDT 425	500	405	425
CDT 450	525	430	450
CDT 475	550	455	475

TYP	A	B	C
CDT 500	575	480	500
CDT 525	600	505	525
CDT 550	625	530	550
CDT 575	650	555	575
CDT 600	675	580	600



**Technical specification of industrial operating procedures:**

Carrying velocities for chip conveying of CDT 040, 063 and 100 range from 1 m/min up to 10 m/min

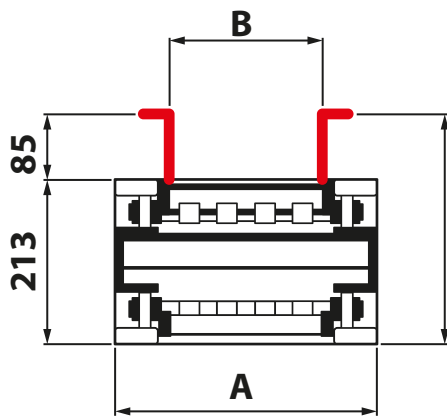
**Load carrying capacity:**

- CDT63 up to 12 m<sup>3</sup>/hour (Approx. up to 6 tonnes/hour of assorted chips)

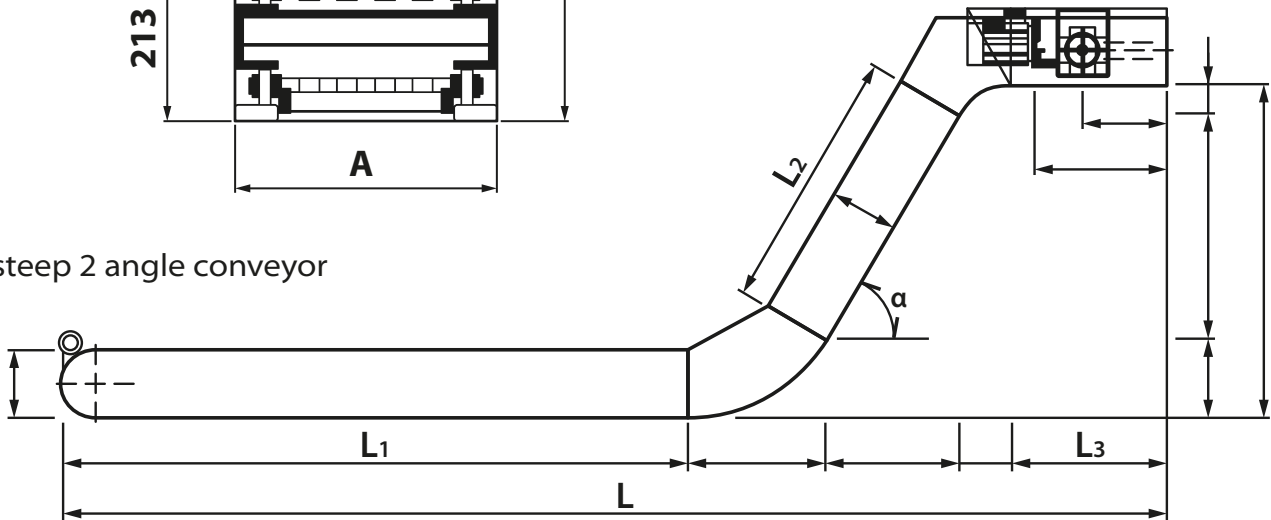
**Technical description:**

- A - Width of the case
- B - Width of the loading section of the conveyor
- C - Width of the hinged link
- Proportions of the hopper are optional
- Dimensions L, L1, L2 and L3 conforming to customer's requirements
- We recommend the angle to an extent of 60° in exceptional cases max. 70°
- The motor drive of the conveyor is situated in line with the direction of forward momentum of the chips. P on the right hand side, L on the left hand side
- For longer wear life of a conveyor we advise reinforcement of the case and the belt with HARDOX- hardened wear resistant steel plate.

t=63



step 2 angle conveyor



TYP	A	B	C
CDT 150	266	130	150
CDT 175	291	155	175
CDT 200	316	180	200
CDT 225	341	205	225
CDT 250	366	230	250
CDT 275	391	255	275
CDT 300	416	280	300

TYP	A	B	C
CDT 325	441	305	325
CDT 350	466	330	350
CDT 375	491	355	375
CDT 400	516	380	400
CDT 425	541	405	425
CDT 450	566	430	450
CDT 475	591	455	475

TYP	A	B	C
CDT 500	616	480	500
CDT 525	641	505	525
CDT 550	666	530	550
CDT 575	691	555	575
CDT 600	716	580	600



The conveyors with the pitch of the hinged belt link – 100 are designed for industrial heavy use and are therefore suitable for conveying of heavy swarf load. Primarily the repose angle of the discharge end of the conveyor is either 30°, 45° or 60°. Other repose angle has to be consulted with the conveyor manufacturer.

### Technical specification of industrial operating procedures:

Carrying velocities for chip conveying of CDT 040, 063 and 100 range from 1 m/min up to 10 m/min

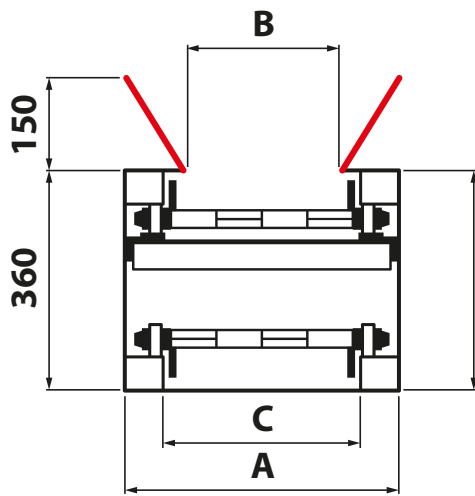
### Load carrying capacity:

- CDT 100 up to 20 m<sup>3</sup>/hour (Approx. up to 10 tonnes/hour of assorted chips)

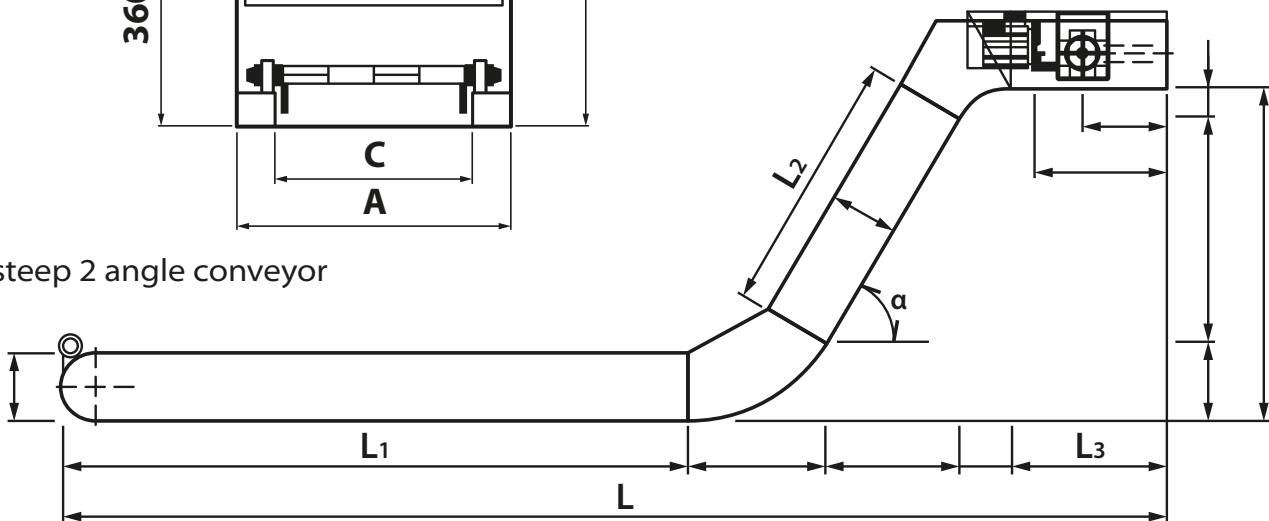
### Technical description:

- A - Width of the case
- B - Width of the loading section of the conveyor
- C - Width of the hinged link
- Proportions of the hopper are optional
- Dimensions L, L1, L2 and L3 conforming to customer's requirements
- We recommend the angle  $\alpha$  to an extent of 60° in exceptional cases max. 70°
- The motor drive of the conveyor is situated in line with the direction of forward momentum of the chips. P on the right hand side, L on the left hand side
- For longer wear life of a conveyor we advise reinforcement of the case and the belt with HARDOX- hardened wear resistant steel plate.

t=100



step 2 angle conveyor



Typ	A	B	C
CDT 300	450	262	300
CDT 375	525	337	375
CDT 450	600	412	450

Typ	A	B	C
CDT 525	675	487	525
CDT 600	750	562	600
CDT 675	825	637	675

Typ	A	B	C
CDT 750	900	712	750
CDT 825	975	787	825
CDT 900	1050	862	900