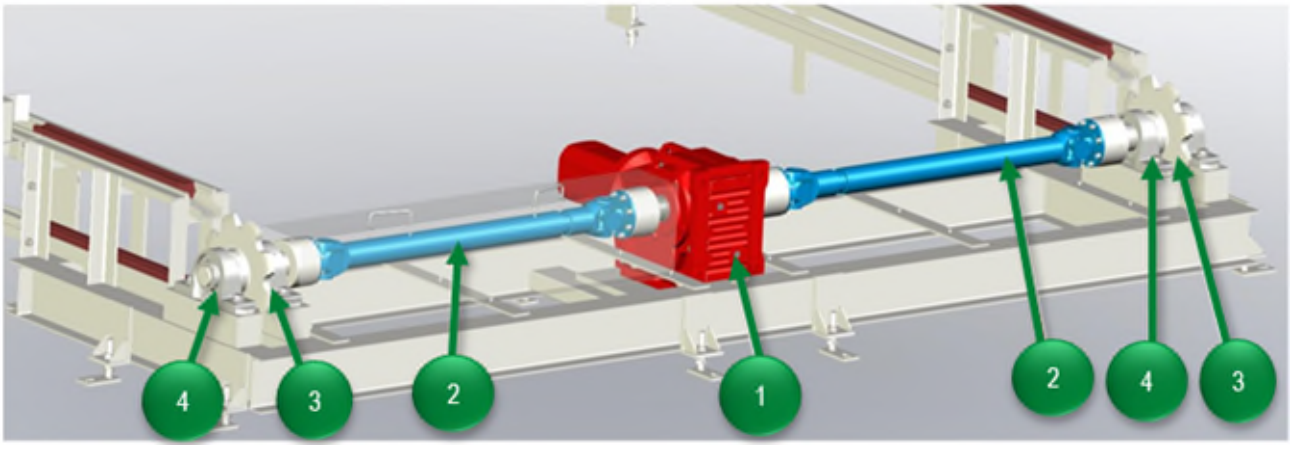
CC5 Chain Cross Transfer Drive Unit



1 Gearmotor

2 Cardan Shaft

3 Drive Sprocket

4 Pillow Block Bearing

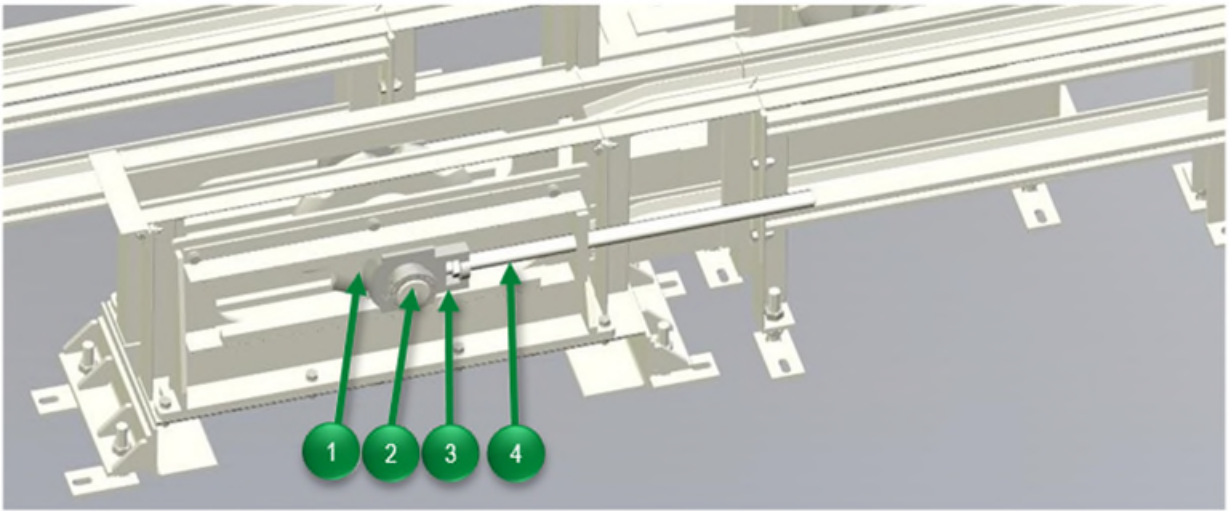
CC5 Chain Cross Transfer Drive Unit Overview

The module conveys the skids (cross way to the longitudinal axis of the skid) to the floor conveying line.

The cross chain conveyor consists of a drive unit (with driving chain wheel, shaft with bearing, Cardan-shaft, motor) and one tensioning unit (with spring loaded clamping spindle, clamping chain wheel, shaft, 4 bearings).

Between the drive (in conveying direction ahead) and the take-up unit (in conveying direction rear) is the conveying track profiles and proximity switches. The length of the conveying track profile is variable. The maximum length depends on the power of the drive unit and the number of skids they shall be conveying at any one time.

CC5 Chain Cross Transfer Take-Up Unit



1 Take-Up Sprocket

2 Take-Up Shaft

3 Take-Up Housing Unit

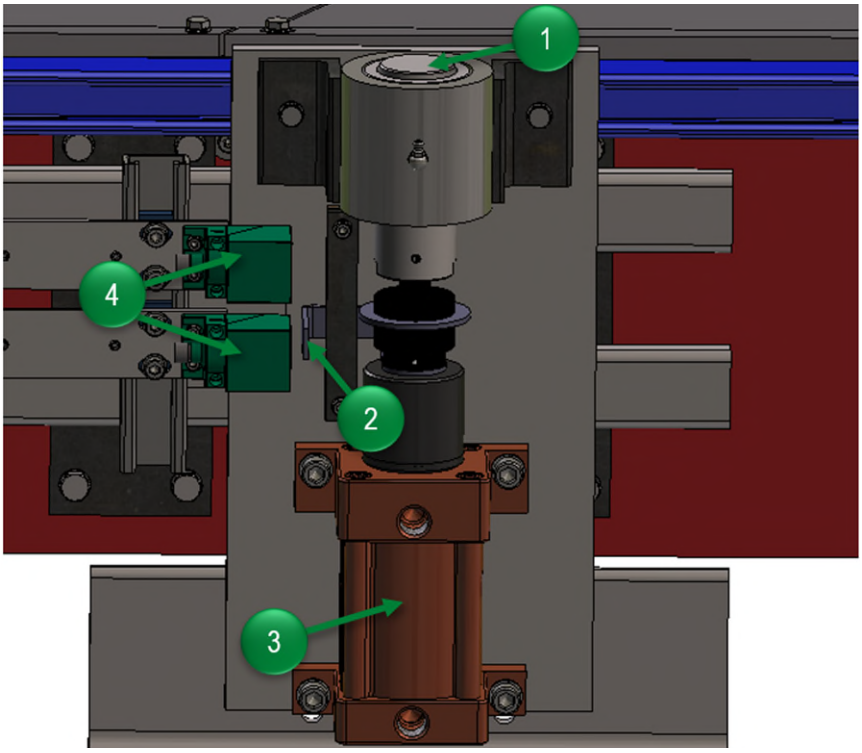
4 Tension Adjustment

CC5 Chain Cross Transfer Take-Up Unit Overview

The drive unit and the take-up unit are housed in a sheet steel enclosure. The chains, chain guides, feet plates and the side covers are within the conveying track profile.

Several cross beams connect both conveying track profiles. This module has the facility to attach further modules depending on the functionality of the conveying line. Feet plates and cross beams are installed at intervals of 500mm. The 3 main units (drive unit, tensioning unit, and conveying track profile) are assembled with bolts. The IDC is situated separately at the drive unit (stand-alone).

CC5 Chain Cross Transfer Pin Stop



1 Pin

3 Cylinder

4 Prox Cubes

2 Prox Flag

CC5 Chain Cross Transfer Pin Stop Overview

Pin stops are pneumatically driven pieces typically mounted along the path of cross transfers. These stops are used to prevent further travel by creating a physical barrier that the skid engages with as it moves along its path. They are equipped with pneumatic cylinders to drive the motion of the pin, a metallic cylinder to act as the stop, and prox cubes to monitor the position of the prox flag. The position of the flag will indicate if the pin stop is engaged or disengaged.