[Feeders. HAF]

HAZEMAG

Experience. Innovation. Results.

Crushing | Screening | Feeding

HAZEMAG

Apron Feeder

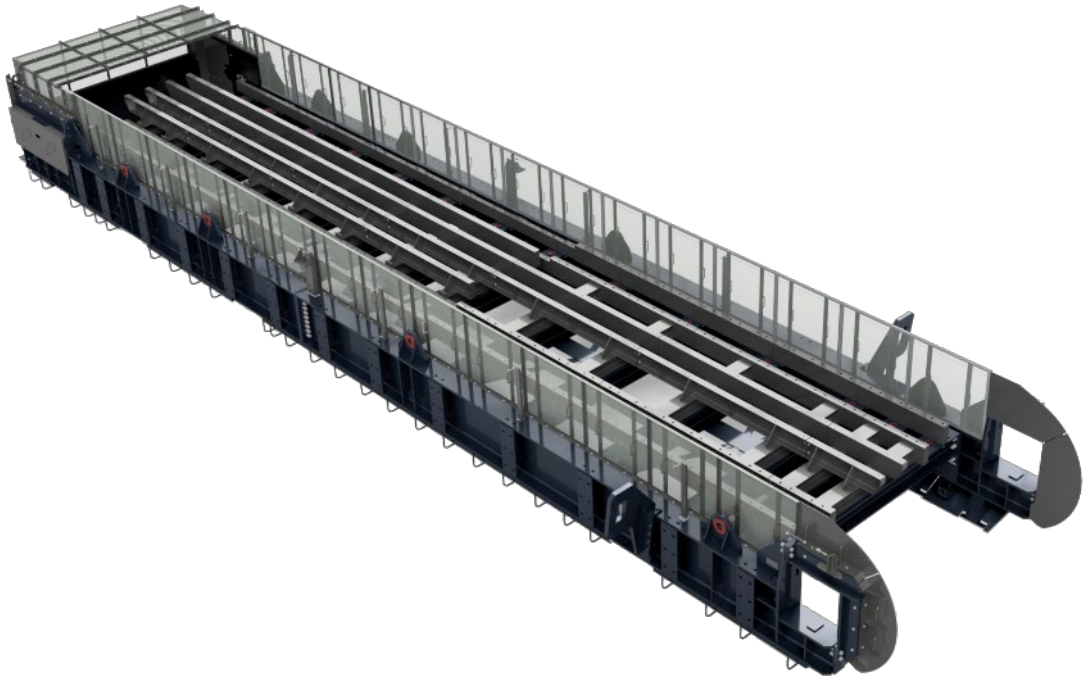
For material extraction from feed hoppers & material conveyance

- Conveying surface comprising steel pans attached to two tractor chains running on heavy-duty rollers
- Seal is created between the pans by overlapping and by precision machining
- Variable-speed drive either by hydraulic motor or by planetary gear in combination with frequency-controlled electric motor
- Collection and removal of spillage material is effected by scraper chain conveyor HCC



Application

- Feed hopper discharge in primary crushing plants as a bunker discharge conveyor
- Cement & Aggregates, Minerals Processing, Recycling and multiple other material handling industries
- Conveying capacities of up to 4,000t/h with piece sizes of 3m^3



Operation Method

- Material is transported on the pans
- No relative movement between the material and the apron pans resulting in low wear
- Variable speed for optimum plant utilization



Equipment

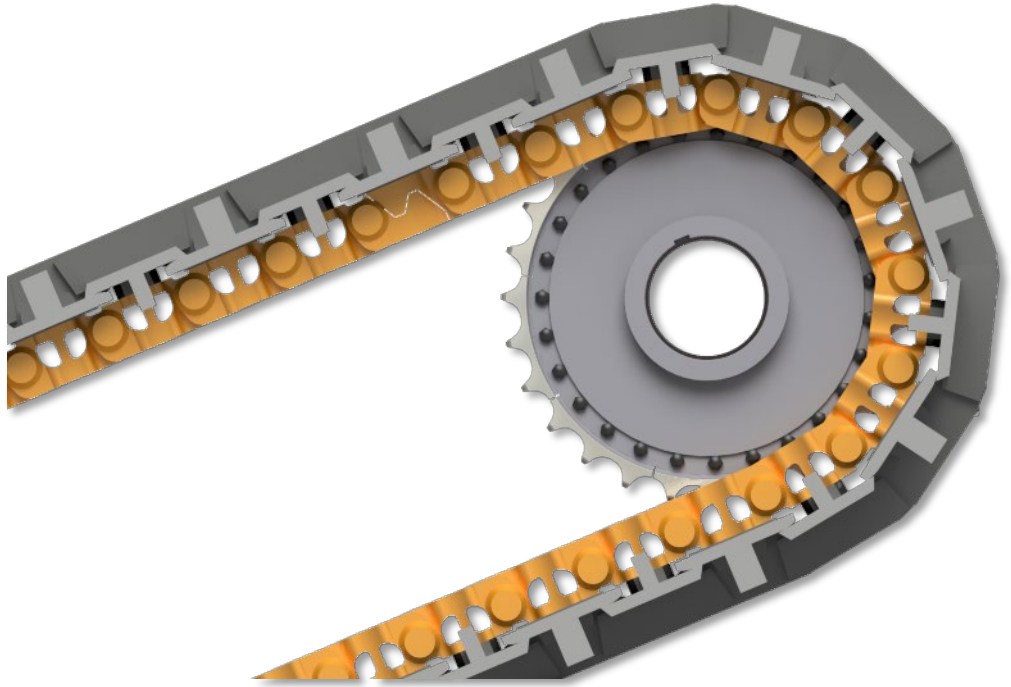
- Consists of heavy-duty conveyor chains, on which the apron pans are mounted
- Chains run on support rollers that are mounted to the apron feeder frame
- Are driven by chain sprockets and tensioned mechanically or hydraulically



HAZEMAG

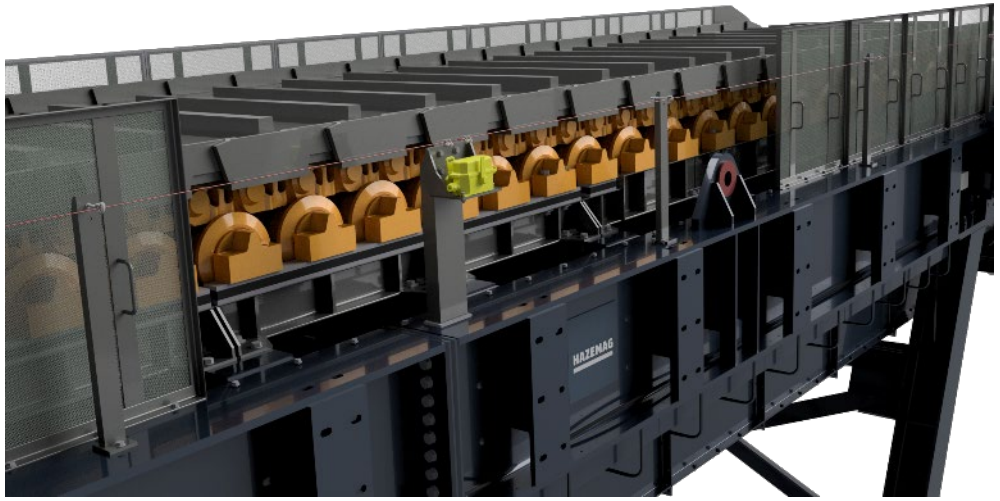
Apron Feeder Pans

- Apron feeder pan is bolted to each link of the tractor chain
- Every second plate is equipped with carrier (secures material transport)
- Only little material finds its way into the inside because of the apron’s specific contour
- Apron pans are machined for perfect sealing between upper and lower pan
- Radius at the lower is important for a good sealing
- Additional slide rails are attached to absorb shock loads



Chain & Sprockets

- Sprocket segments allow replacement without taking off or splitting the chain
- Heavy tractor-type chains (lifetime lubricated)
- Tensioning of the tractor chains via a tensioning shaft, mechanically or hydraulically



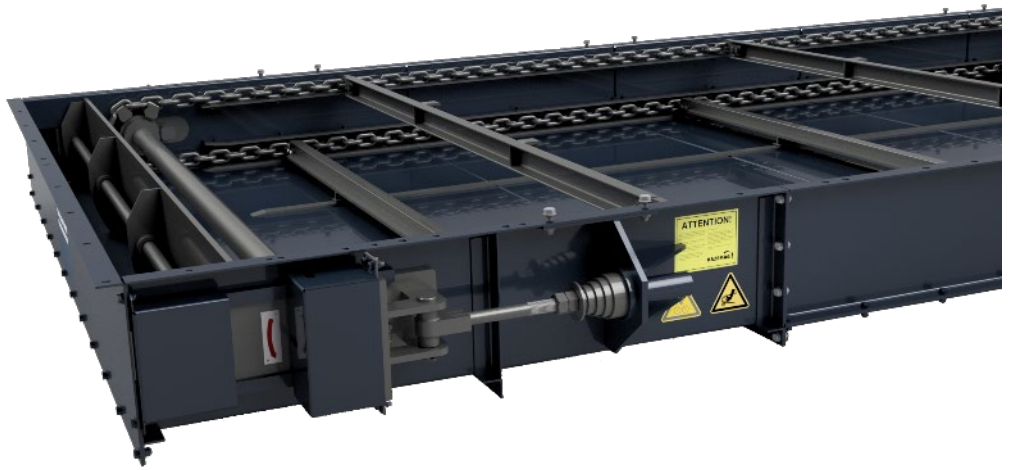
Support & Return Rollers

- Are bolted on the frames upper side
- Lifetime lubricated
- Tractor chain moves on the rollers
- Support rollers are mounted shock-absorbed



Spillage Conveyor

- Spillage conveyor is a chain conveyor mounted underneath the apron feeder
- Adhering material at the apron feeder pans falls off on the return side



HAZEMAG

Product Description

Machine	Width [mm]	Length A-A [mm]	Chain Type
HAF 10100	1.000	10.000	D3
HAF 12100	1.200	10.000	D3
HAF 14106	1.400	10.600	D4
HAF 14133	1.400	13.300	D5
HAF 16106	1.600	10.600	D5
HAF 16133	1.600	13.300	D5
HAF 18106	1.800	10.600	D5
HAF 18116	1.800	11.600	D7
HAF 20115	2.000	11.500	D4
HAF 20116	2.000	11.600	D7
HAF 22116	2.200	11.600	D7
HAF 25115	2.500	11.500	D8
HAF 25142	2.500	11.420	D8



hazemag.com

Copyright ©2023 HAZEMAG. All rights reserved.
This document makes no offers, representations or warranties (express or implied), and information and data contained in this document are for general reference only and may change at any time.