



PDT PTB
SIGMA • BOA
SET OF CONVEYORS



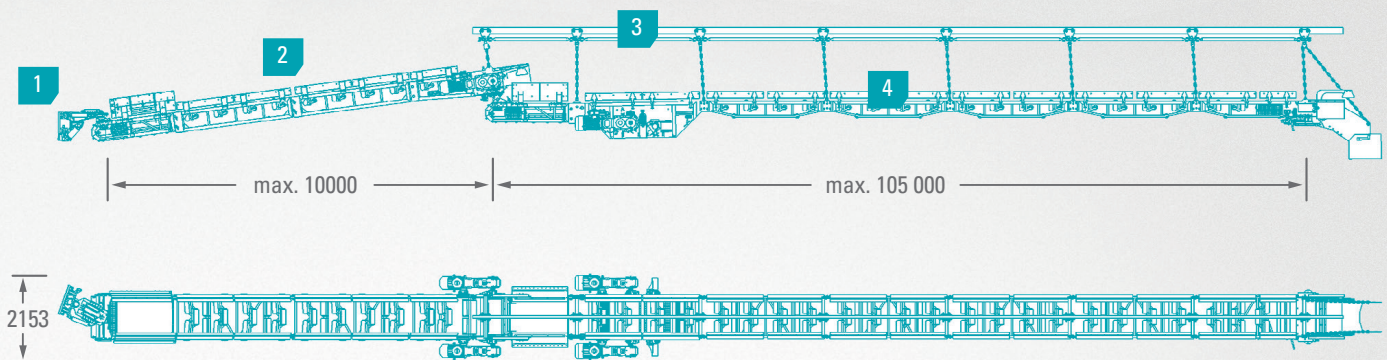
Set of conveyors PDT-BOA 800,1000 consists of belt conveyor PDT-SIGMA and belt feeder PTB-BOA. Both devices are able to operate as joined elements or separate (independent) units. Set of conveyors PDT-SIGMA 800, 1000 and belt feeders PTB-BOA 800, 1000 is designed to haul the mined material from heading face where approved machine works (e.g. roadheader, dinting loader) to other haulage or discharge device (belt or scraper conveyor, shuttle car, container etc.). Application of swivel connection between belt feeders/conveyors and roadheader allows to overpass turns and excavations' (roadway) crossings without necessity of installing the scraper conveyor.

Belt feeders/conveyors can also work as stationary (rigid) segments in haulage system.

PDT-SIGMA • PTB-BOA

SET OF CONVEYORS

- VERSION I** In this version belt feeder BOA is mounted to heading machine at tail frame (return station) side and discharge chute is mounted with PDT belt conveyor through transition element i.e. swivel point. Belt conveyor is suspended to monorail track. Set of conveyors moves according with roadheading works advance.
- VERSION II** In this version belt feeder BOA is mounted to heading machine at tail frame (return station) side but belt conveyor PDT remains individual (separate) haulage device with tail frame (return station) placed of the floor. Belt feeder (suspended to monorail track at one end) moves according with roadheading works advance while belt conveyor operates as stationary device.
- VERSION III** In this version heading machine operates with PDT belt conveyor which is mounted (at tail frame side) to heading machine and rest of the device is suspended to monorail track. Drive of the conveyor can be installed between given segments of the conveyor (PDT drive) or at the end of the conveyor (discharge chute drive).
- VERSION IV** In this version belt conveyor PDT operates as individual (separate) haulage device placed on the floor, suspended to monorail track or directly with roof, with tail frame (return station) placed on the floor.
- VERSION V** In this version BOA belt feeder is connected at tail frame (return station) side to heading machine while other end is suspended to monorail track. Belt feeder moves according with roadheading works advance.

DIAGRAM

1 Heading machine.

2 Belt feeder PTB-BOA mounted with belt conveyor's tail frame through swivel connection.

3 Monorail track.

4 Belt conveyor PDT-SIGMA.

TECHNICAL CHARACTERISTICS

	PDT-BOA 800	PDT-BOA 1000
MAX. BELT SPEED [m/s]	2.5	2.5
CAPACITY [t/h]	440	700
BELT WIDTH [mm]	800, 1000	800, 1000
SUPPLY VOLTAGE [V]	500 / 1000	500 / 1000
	PDT-SIGMA	PDT-BOA
MAX. LENGTH [m]	~105	~10
MAX. TOTAL POWER OF MOTORS INSTALLED [kW]	2 x 30	30