

Belt Holding Bin - Type ZPPN

The belt holding bin ZPPN-1 (2,3) – L x b is designed as a device serving for cumulation of the belt covering of the given length and at the same time it performs the function of automatic belt covering stretching in adjustable mode for the conveyor run-up, braking and working run. The fact that the tension in the belt covering is constant for all these modes and is adjustable for optimal temperature ensures that the belt covering is protected against non-standard forms of operation (permanent slipping on the driving drums, covering layers excessive abrasion and heating or e.g. dynamic pulses by run-up) which destroy the belt framework and connections and shorten its working life. The belt holding bin ZPPN is destined for the conveyors of DP series.

The marking ZPPN – 1 (2, 3) L x b means:

ZPPN – the belt covering holding bin with stretching

1,2,3 – number of the layers

L – holding bin capacity [m]

b – belt covering width

Utilization:

The stretching device design is suitable for use in the mining conditions for various width and output of the belt conveyors.

The belt holding bin ZPPN-1(2,3) Lxb consists of the following construction parts:

- stretching station
- line section with supports
- stretching trolley
- reverse station
- monitoring sensor and control station
- anchoring

Technical parameters:

Belt Holding Bin Type	ZPPN-1	ZPPN-2	ZPPN-3
Number of layers	1-drum conveyor – 1 layer	2-drum conveyor – 2 layers	3-drum conveyor – 3 layers
Drums diameter	Ø 630mm	Ø 630mm, Ø 500mm	Ø 630mm, Ø 500mm, Ø 315mm
Max. stroke length	50 m	35 m	25 m
Stretching device type	Electric hoist with hydraulic damping or pneumatic rolls		
Belt covering width	800 - 1400 mm		
Max. length of the stored rubber belt	100m	100m	150m
Used driving stations	DP 800, DP 1000, DP 1200, DP 1400		

CONVEYOR LENGHT(UP TP 300 m without the stretching equipment,
up to 500m with the stretching equipment)

